



TAURUS

**INDUSTRIAL LCD MONITOR
“Z” SERIES**

INSTRUCTION MANUAL - MANUEL D'UTILISATION
MANUALE D'ISTRUZIONE - BEDIENUNGSANLEITUNG

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1 GENERAL DESCRIPTION

1.1 INTRODUCTION

The Taurus series LCD monitors are made with a completely sealed stainless steel cabinet, which provides protection against water splashes, impacts and vibrations. This monitor is a professional product that allows interfacing with analog (VGA) and digital (DVI) signal inputs. Thanks to these features, it is suitable for various applications, such as industrial, food and beverage, and many others.

Main features:

- Management of graphic signals with separate syncs (H-V), composite syncs (HVS);
- Automatic recognition of the incoming signal;
- "Auto adjustment" function that allows adapting the video image to the screen;
- "Energy saving" function that turns off the monitor in the absence of a signal;
- 100–240Vac power supply (12Vdc and 19–36Vdc on request);
- Control of functions via: buttons on the monitor;
- Prepared for Touch screen (Optional).

1.2 NOTES

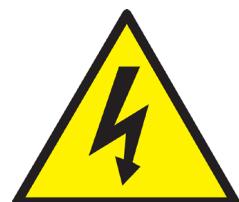
The information contained in this manual is not a contractual obligation. The general warranty conditions are determined by the laws in force. The warranty normally provided is related to product malfunction and does not cover damages caused by improper use and tampering. All rights reserved. Any reproduction or translation of this manual is prohibited without authorization.

1.3 WARNINGS

1.3.1 SYMBOLS AND CONVENTIONS



This symbol warns the user of the risk of damage to property or loss of data if the instructions are not followed.



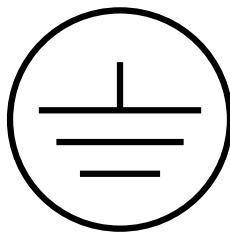
This symbol warns the user of a danger that can cause serious injury or death if the instructions are not followed.

1.3.2 SAFETY



Read the safety instructions carefully. Keep this manual for future reference and observe all precautions and warnings on the product as indicated below:

- Danger of electric shock: do not use the PC with its rear cover removed, there are dangerous voltages inside.
- Never open the equipment. For safety reasons, only qualified personnel who know the equipment are authorized to do so.
- Disconnect the equipment from any power outlet before cleaning it.



- Before connecting the power, make sure that the electrical outlet you will connect to has the grounding wire connected as required by current regulations. The power outlet should also be located as close as possible to the equipment and should be easily detachable.

- Place the equipment on a stable surface during installation. Dropping it or allowing it to fall could cause damage to people and objects.
- Make sure that the power voltage is correct before connecting the appliance to the electrical outlet.
- If the product is not going to be used for an extended period of time, please unplug it to prevent damage.

Store the product appropriately with the prescribed temperature and humidity as stated in this manual. In the following cases, have the product checked by qualified technical personnel:

- Liquid has penetrated inside the product.
- The product is not functioning properly or will not turn on.
- The product is damaged or clearly broken.

This manual, included with the product package, contains all the instructions for proper installation and maintenance.

1.4 CE REGULATION

Our products are designed in compliance with the electrical safety requirements of European Directive 2014/35/EU - LVD (Essential Health and Safety Requirement of the Low-Voltage Directive) and the electromagnetic compatibility requirements of European Directive 2014/30/EU - EMC (Electromagnetic Compatibility Directive) for the application of the CE mark, with respect to the following standards:

- CEI EN 60950-1 Electrical Safety
- CEI EN 55X024 - CEI EN 55022 Electromagnetic Compatibility

1.5 PRODUCT LABEL

All products are supplied with a production label that identifies the following elements:

- Manufacturer's mark
- Production date
- Product description
- Product model
- Serial number.

1.6 DISCLAIMER STATEMENT

Any updates to the product may cause changes to this manual. The manufacturer reserves the right to modify, in whole or in part, without any obligation to give prior notice. The manufacturer also assumes no liability for damages caused to people or objects nearby in the following cases:

- Improper use of the product and its accessories;
- Improper assembly and installation;
- Unauthorized modifications or interventions;
- Use of non-original spare parts;
- Failure to comply with the instructions established in this manual.

Keep the manual carefully in a dry and protected place, always available for future consultation. The manual should be kept for the entire life of the product. In case of loss or damage, request a new one directly from the manufacturer.

1.6.1 MAINTENANCE AND WARRANTY

The product covered by this manual does not require any maintenance by the user, except for the normal cleaning of the screen, which should be carried out using a specific, non-aggressive and alcohol-free product sprayed on a soft cloth. For the repair of the product, it is necessary to contact the manufacturer.



Never open the device. For safety reasons, only qualified service personnel should open the device.



The screen should be cleaned using a specific, non-aggressive product that is alcohol-free, sprayed onto a soft cloth for normal cleaning.

1.7 PACKAGING

The packaging consists of a cardboard box that encloses two safety shells that guarantee protection. Remove the product from the protective shells and check that the following elements are present:

- LCD TFT monitor;
- Documentation (this manual);
- Connection cables.

1.8 TECHNICAL SPECIFICATIONS

- IP65 or IP67 protection level: in compliance with CEI EN 60529 standard.
- Food safety: in compliance with Regulation (EC) No. 1935/2004 regarding materials and objects intended to come into contact with food products, which repeals Directives 80/590/EEC and 89/109/EEC.
- Material used for cabinet: AISI304 or AISI316 (on request)

Power input:

100 ~ 240 Vac 50/60Hz.

Maximum power consumption:

25W ~ 50W (depending on the display size).

Operating frequency range:

- Horizontal frequency: 30 – 60 kHz Multisync;
- Vertical frequency: 56 – 75 Hz

VGA video signal input VGA STD:

Analog RGB, 0.7 ~ 1VPP level ON 75 ohm impedance HD15F

Reported resolutions:

- VGA/SVGA/XGA/SXGA/UXGA 75hz;
- Plug & Play;
- Separated / composite syn;
- 0.3 ~ 5Vpp +/- level.

Supported video signal inputs (Optional):

- VGA Plug & Play.
- Display Port Plug & Play.
- HDMI Plug & Play.

1.8.1 OPERATING CONDITIONS

Operating conditions:

- Temperature: 0°C +50°C
- Humidity: 10% - 95%
- Altitude: 0 - 3000mt

Storage conditions:

- Temperature: -10°C +55°C
- Humidity: 5% - 95%
- Altitude: 0 - 3000mt

Transport conditions:

- Temperature: -35°C +60°C
- Humidity: 5% - 95%
- Altitude: 0 - 12000mt

1.9 SUPPORTED INPUT SIGNALS

MODE	RESOLUTION	REFRESH RATE	H-FREQ.	PIXEL FREQ.	NOTES
VGA	640 x 350	70Hz	31.47KHz	25.175MHz	Standard VESA
VGA	720 x 400	59.940Hz	31.469KHz	25.175MHz	IBM VGA 3H
VGA	640 x 480	60Hz	31.5KHz	25.175MHz	Standard Industria
VGA	640 x 480	72Hz	37.9KHz	31.500MHz	Standard VESA
VGA	640 x 480	75Hz	37.5KHz	31.500MHz	Standard VESA
SVGA	800 x 600	60Hz	37.9KHz	40.000MHz	VESA linea guida
SVGA	800 x 600	72Hz	48.147KHz	50.000MHz	Standard VESA
SVGA	800 x 600	75Hz	46.9KHz	49.500MHz	Standard VESA
XGA	1024 x 768	60Hz	48.4KHz	65.000MHz	VESA linea guida
XGA	1024 x 768	70Hz	56.547KHz	75.000MHz	Standard VESA
XGA	1024 x 768	75Hz	60KHz	78.750MHz	Standard VESA
SXGA	1280 x 1024	60Hz	64KHz	108.000MHz	Standard VESA
SXGA	1280 x 1024	75Hz	80KHz	135.000MHz	Standard VESA
WXGA	1280 x 768	60~75Hz	47.7~65KHz	80.140MHz	Non Standard
WXGA	1366 x 768	60~75Hz	47.7~65KHz	80.000MHz	Non Standard
WSXGA	1440 x 900	60~75Hz	65KHz	150.000MHz	Non Standard
WSXGA	1680 x 1050	60Hz	70KHz	150.000MHz	Non Standard
WUXGA	1920 x 1080	60Hz	95KHz	190.000MHz	Non Standard

Table 1

*** NOTES:**

Available only for the second version.

1.10 FUNCTION KEYS



Menu navigation:

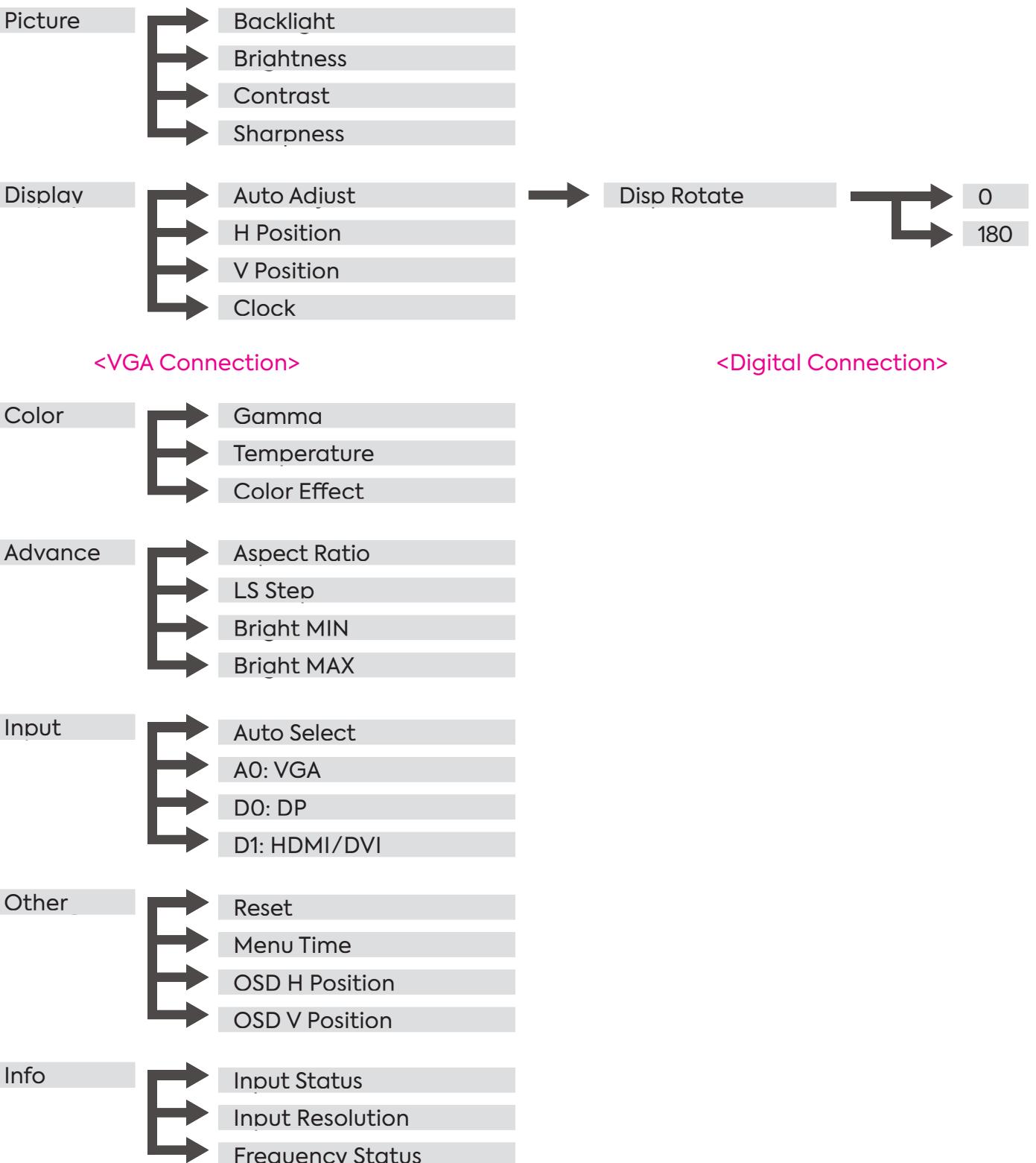
- “Menu/ enter” = Opens the main menu / confirms the selected menu;
- “Down” (Down arrow) = Scrolls through the options of the selected menu;
- “–” = Selects the sub-menu to the left / decreases the adjustment;
- “+” = Selects the sub-menu to the right / increases the adjustment;
- “SRC / Exit” = Changes source (RGB / DVI) / Exits the OSD menu;
- “Power” = Turns on / off the monitor.

“On-screen display” settings

To access the on-screen menu, press the “MENU” button on the keyboard located on the back of the monitor.

2 OSD CARD (ON SCREEN DISPLAY)

2.1 OSD MENU SUMMARY

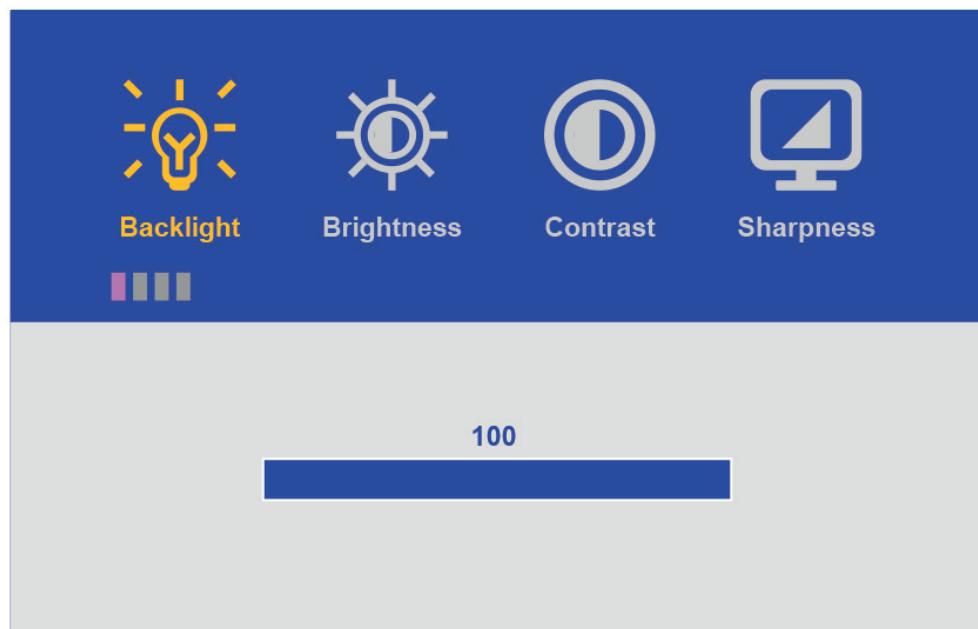
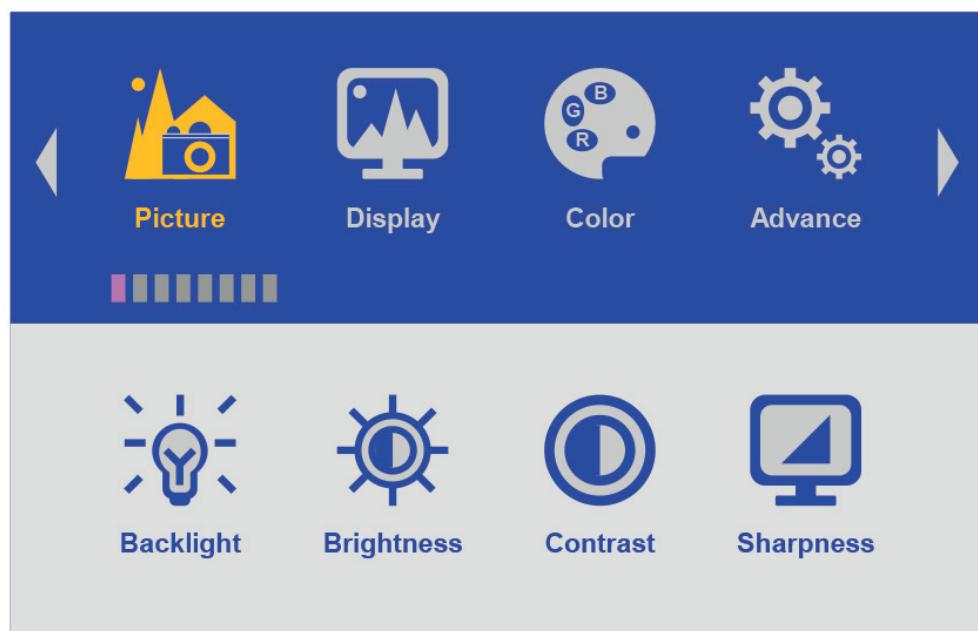


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2.2 OSD MENU FOR IMAGE AND SETTINGS EDITING

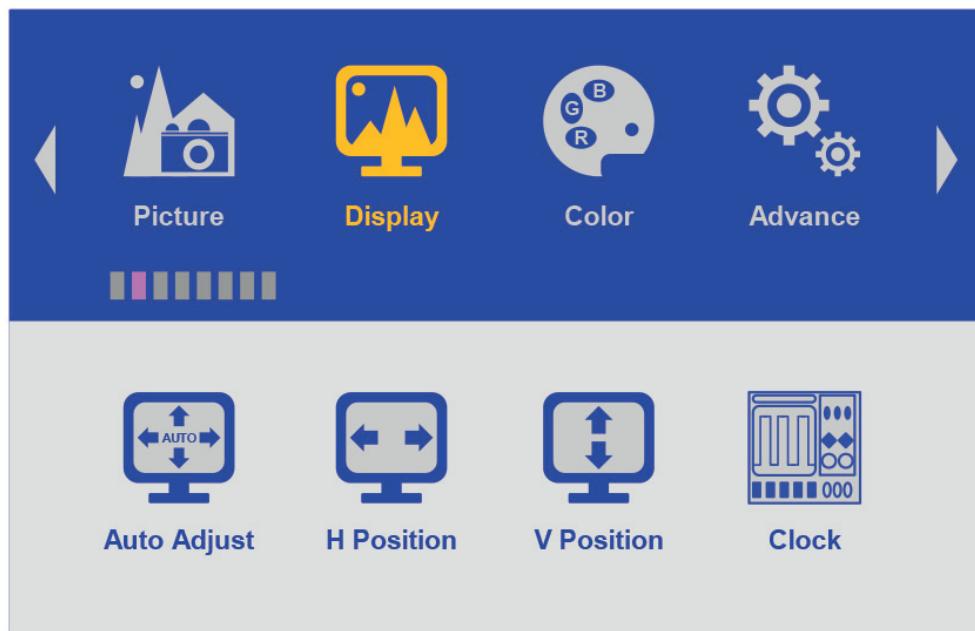
In the "Picture" section, you can adjust the image values:

- Backlight: adjusts the backlight intensity.
- Brightness: adjusts the image brightness.
- Contrast: adjusts the image contrast.
- Sharpness: adjusts the image sharpness.

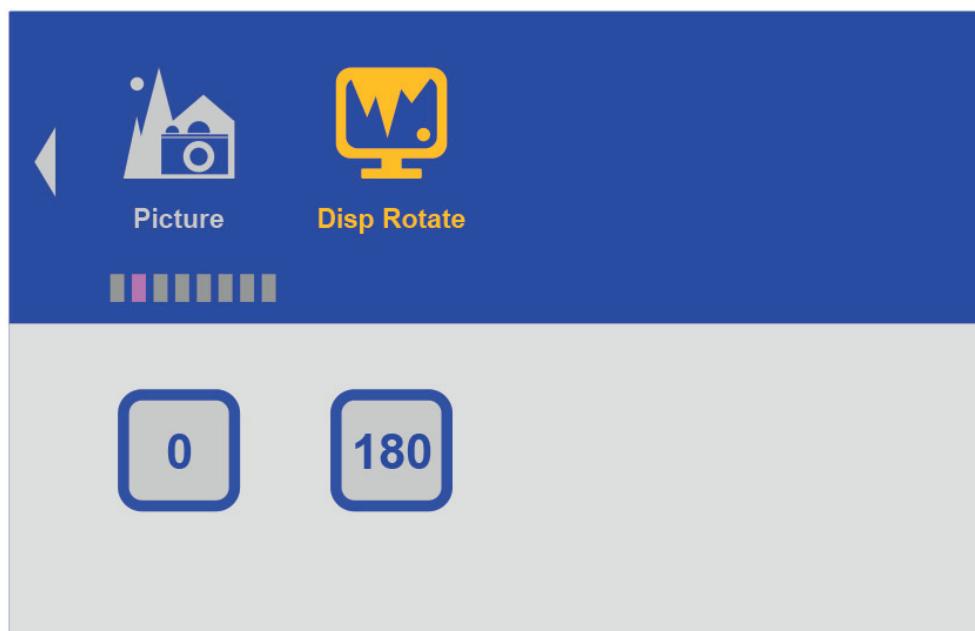


In the "Display" section, you can adjust the image position:

- Auto Adjust: automatically adjusts the image position.
- H Position: adjusts the horizontal image position.
- V Position: adjusts the vertical image position.
- Clock: adjusts the image clock frequency.

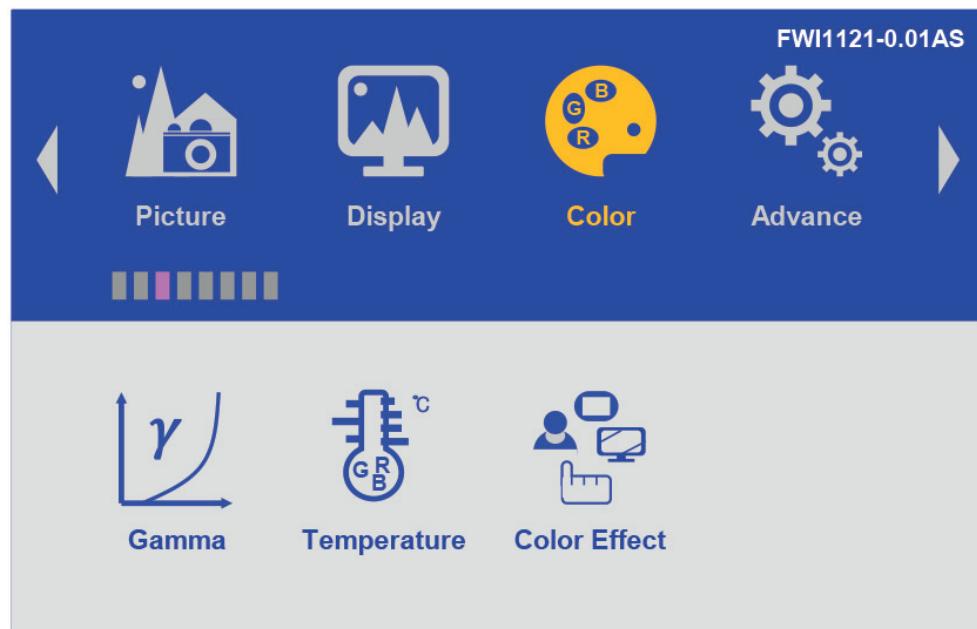


In the "Disp Rotate" section, you can adjust the image rotation.



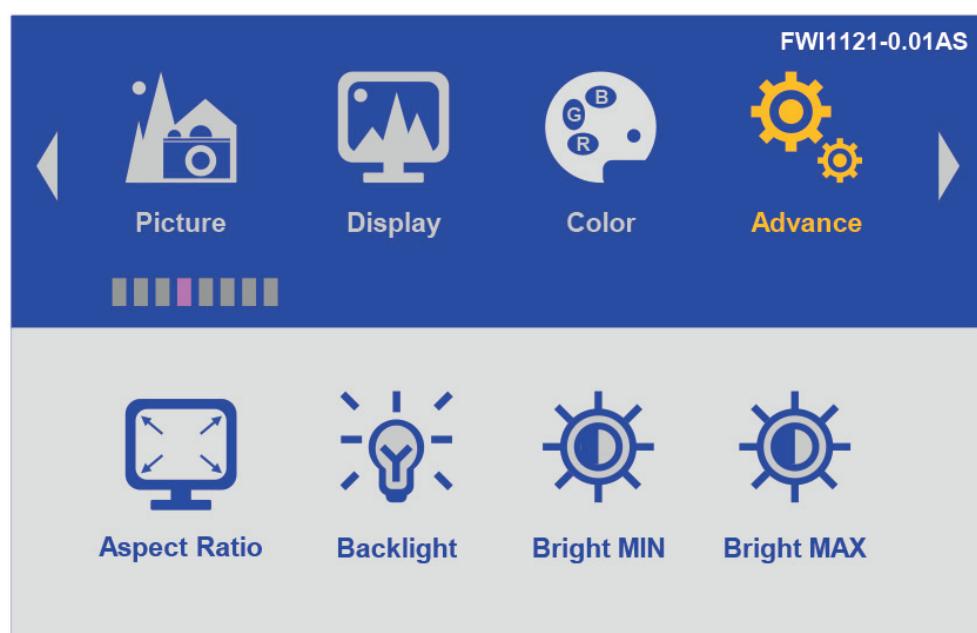
In the "Color" section, you can adjust the image colors:

- Gamma: adjusts the color gamma.
- Temperature: adjusts the color temperature.
- Color Effect: allows you to choose from predefined color settings.

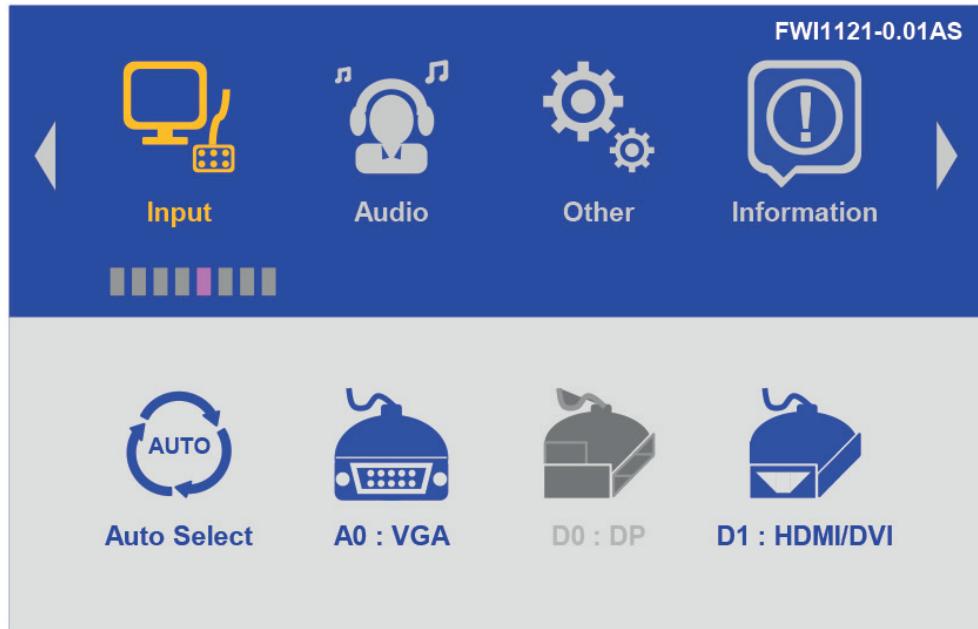


In the "Advance" section, you can adjust advanced settings for:

- Aspect Ratio:
- Backlight (LS Step): settings menu with light sensor (optional).
- Bright MIN: Sets the minimum brightness limit.
- Bright MAX: Sets the maximum brightness limit.

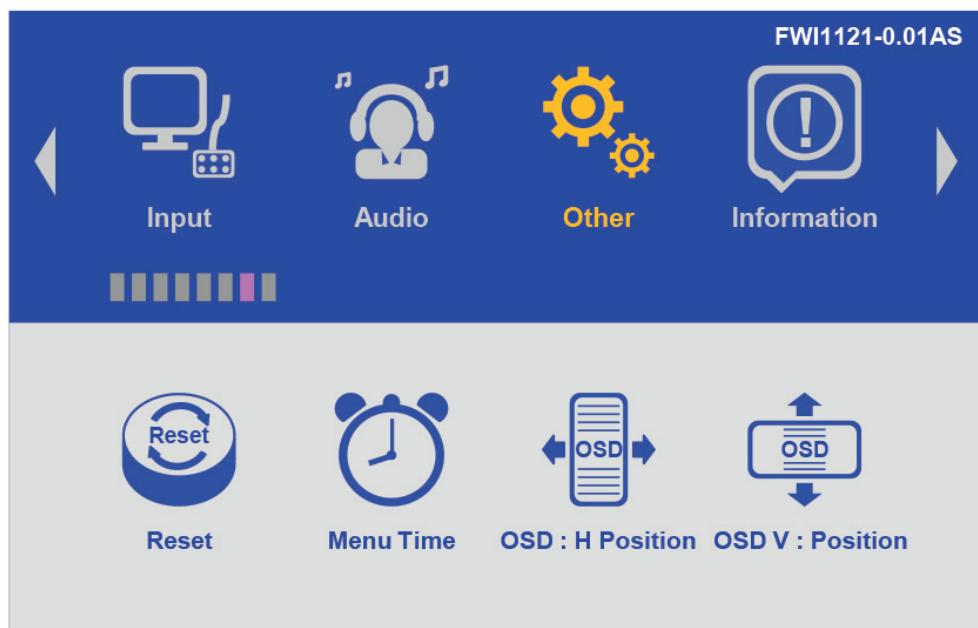


In the "Input" section, you can set auto-selection of inputs (automatic selection) or manually choose from various available inputs (e.g., VGA, DVI).

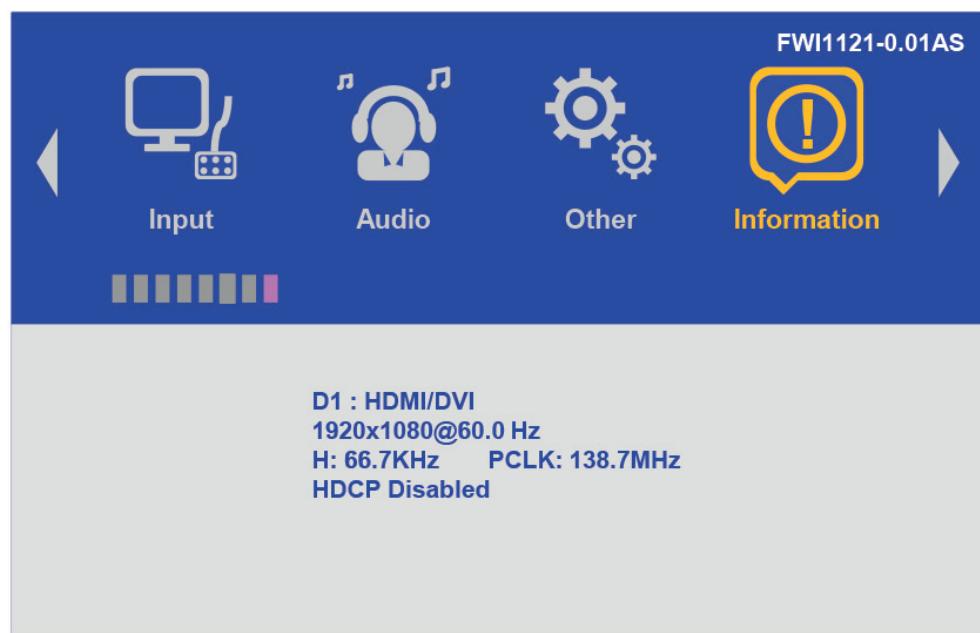


In the "Other" section, you can:

- Reset: restore factory settings.
- Menu Time: display the time the OSD remains active.
- OSD - H Position: adjust the horizontal position of the OSD menu.
- OSD - V Position: adjust the vertical position of the OSD menu.

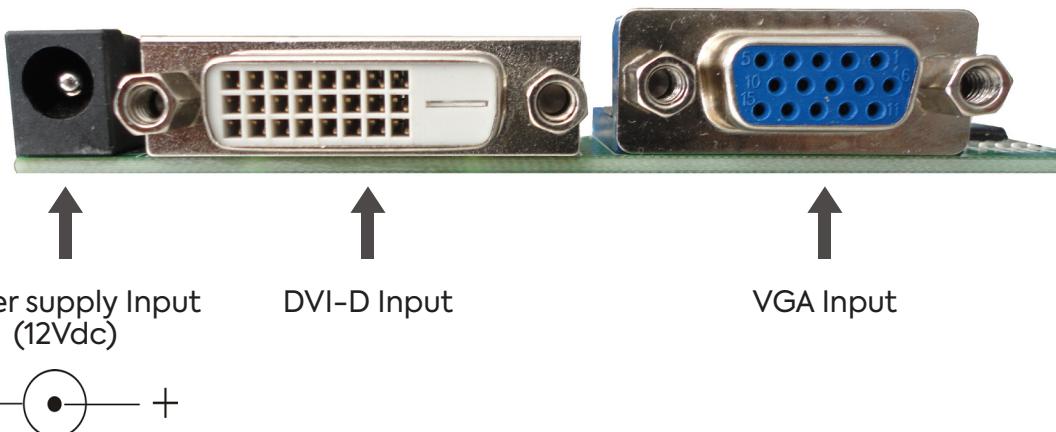


In the "Information" section, you can view information about the applied video signal, input type, etc.



3 INPUT SOURCE

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VGA CONNECTOR:

Pin No.	Description	Pin No.	Type	Description
1	Analog Red	9	VGA 5Vdc	+ 5Vdc
2	Analog Green	10	SGND	Sync GND
3	Analog Blue	11	NC	No Connection
4	No Connection	12	SDA	DDC Serial data
5	GND	13	H SYNC	Horizontal sync
6	Red return	14	V SYNC	Vertical sync
7	Green return	15	SCL	DDC Data clock
8	Blue return			

DVI-D CONNECTOR:

Pin No.	Type	Pin No.	Type	Pin No.	Type
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4shield	11	T.M.D.S. Data1/3 shield	19	T.M.D.S. Data0/5 shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+ 5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	GND (5V, H-Sync, V-Sync)	23	T.M.D.S. Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S. Clock-

SERIAL PORT CONNECTOR:

Pin No.	Type
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND
6	RTS, Request to send
7	CTS, Clear to send
8	RI, Ring indicator

3.1 VERSION IP65 AND IP67

VERSION IP65

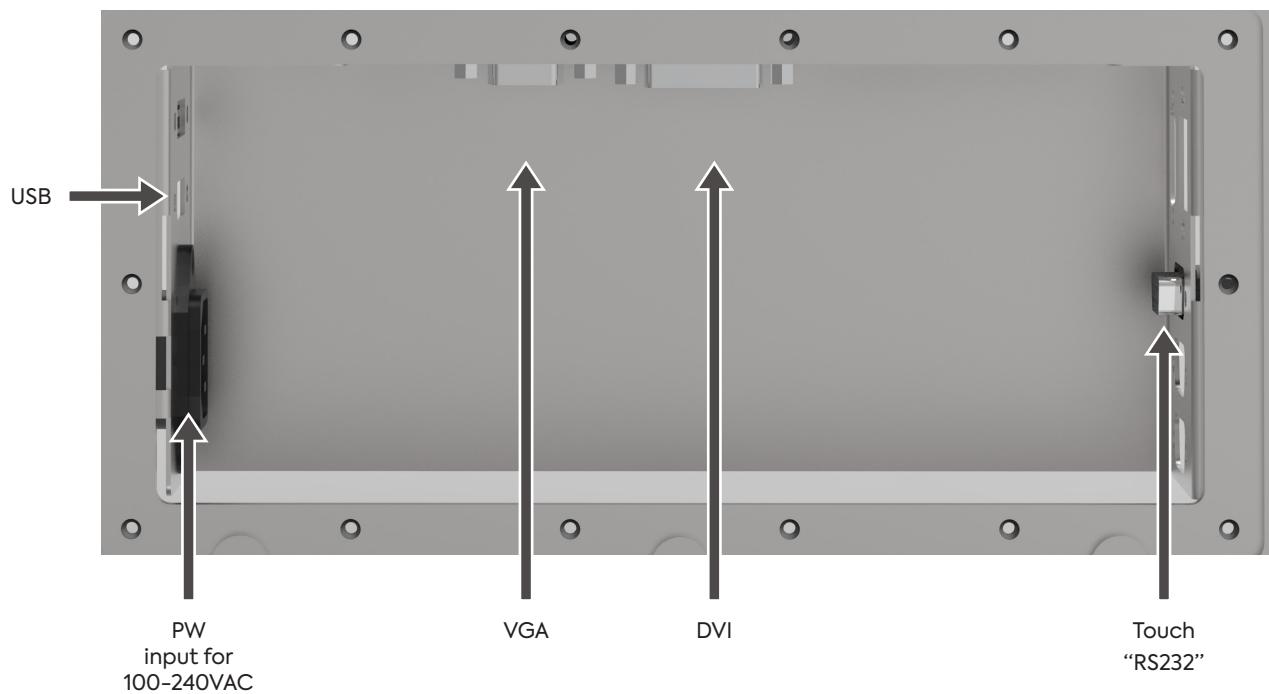


VERSION IP67

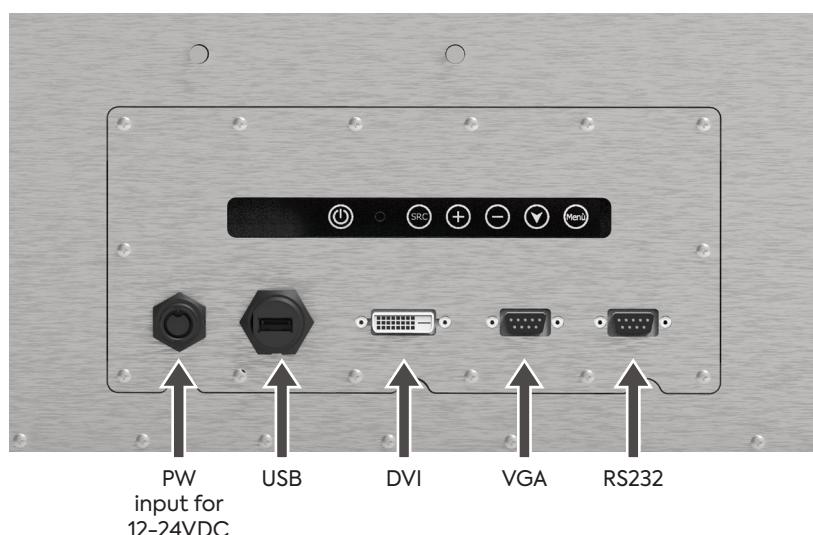


3.2 IP65 AND IP67 CONNECTIONS

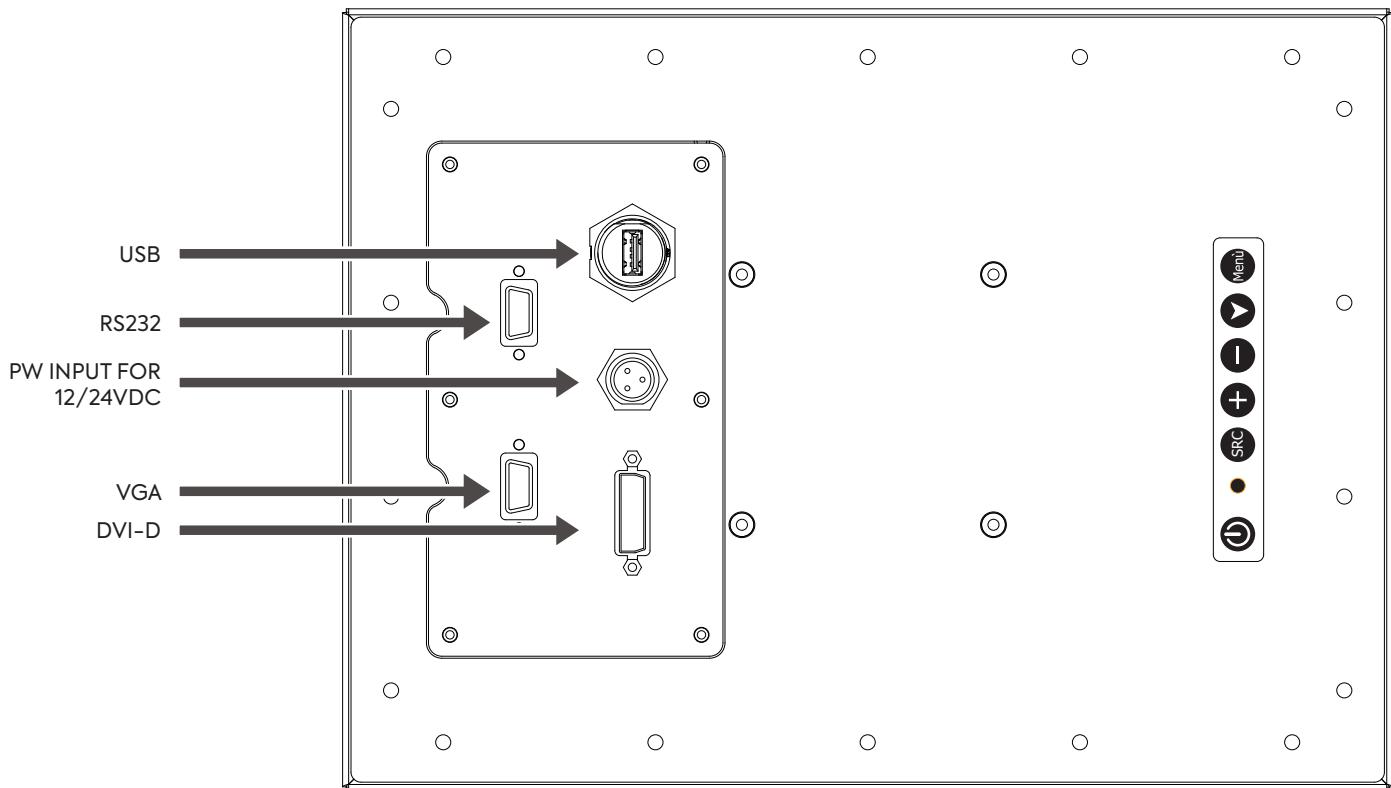
3.2.1 IP65 CONNECTION



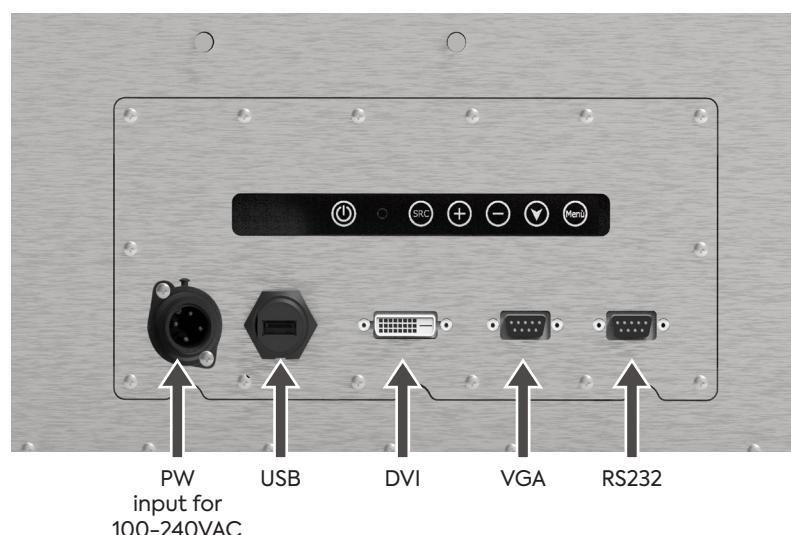
3.2.2 CONNECTION FOR 12VDC/24VDC IP67



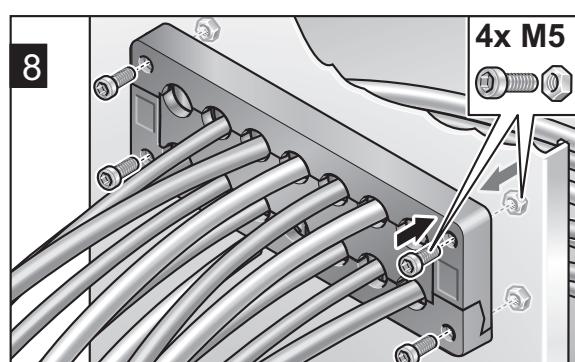
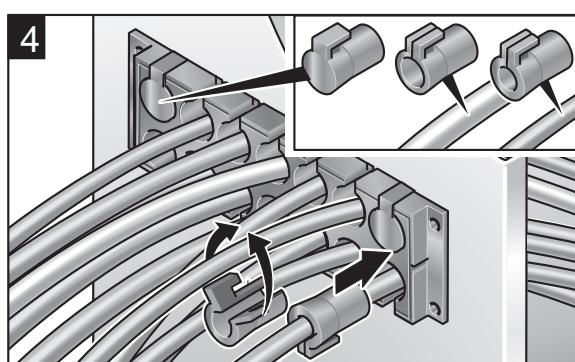
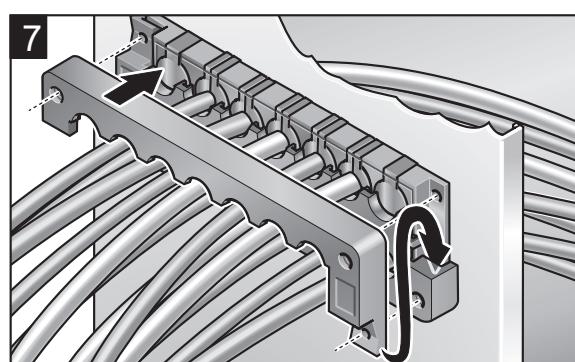
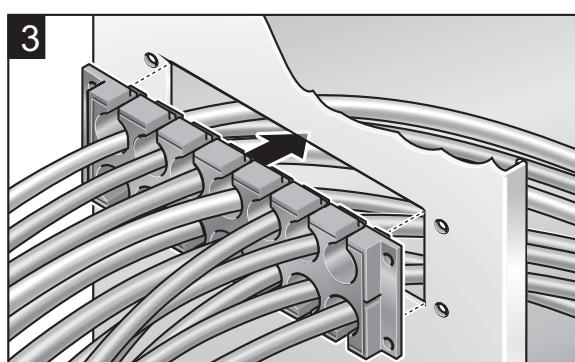
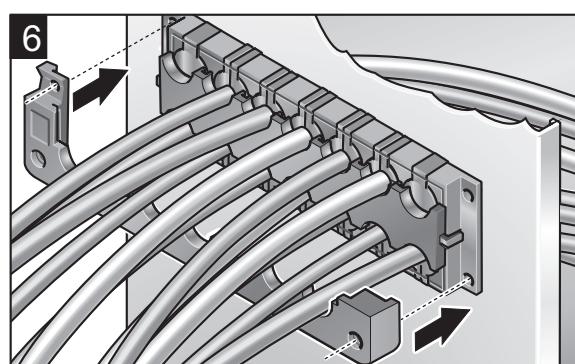
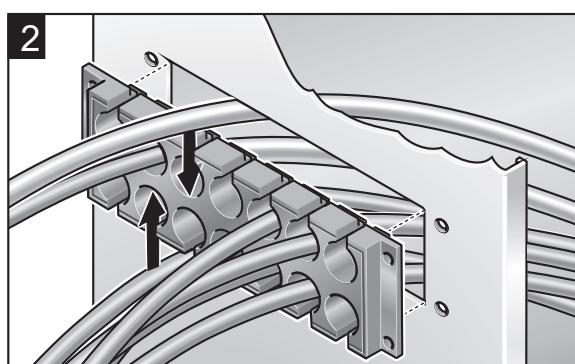
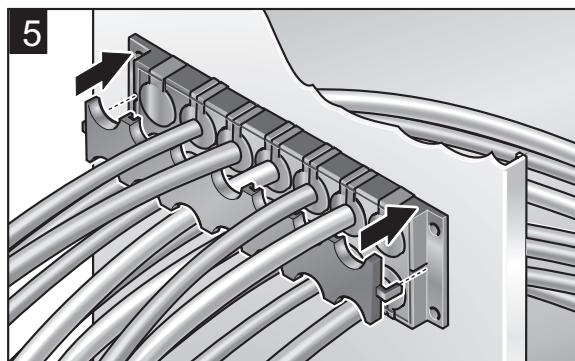
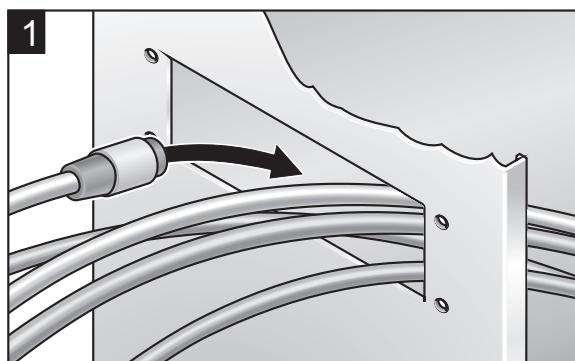
3.2.3 CONNECTION FOR 12VDC/24VDC IP67 10.1"



3.2.4 CONNECTION FOR 100-240 VAC IP67



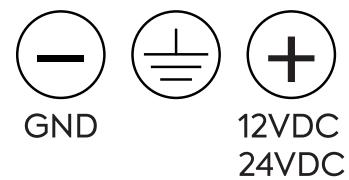
3.2.5 CABLES POSITIONED INPUT IP65



4 CONNECTORS OF POWER SUPPLY

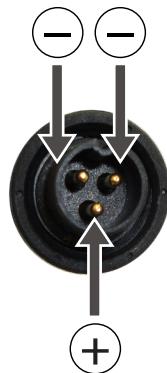
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4.1 POWER CONNECTOR 12-24VDC FOR IP65



4.2 ACCESSORIES CONNECTION OF POWER SUPPLY

4.2.1 POWER SUPPLY 12VDC FOR IP67

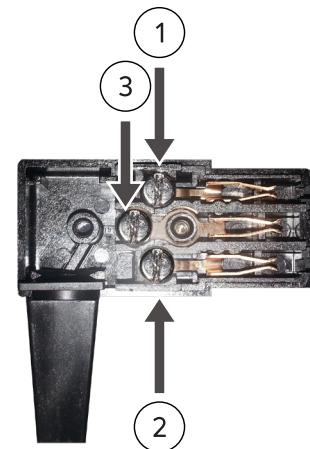


4.2.2 CONNECTOR 12-24VDC FOR IP67

CONNECTING
CABLE
CONNECTOR



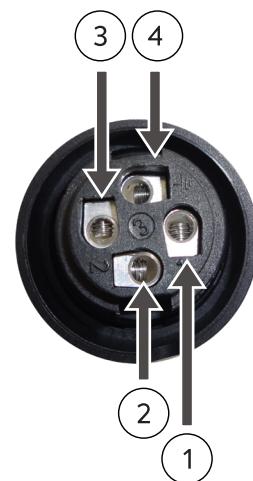
4.2.3 100-240VAC POWER CONNECTOR FOR IP65



INDICATION OF CONNECTION
OF THE CONNECTION.

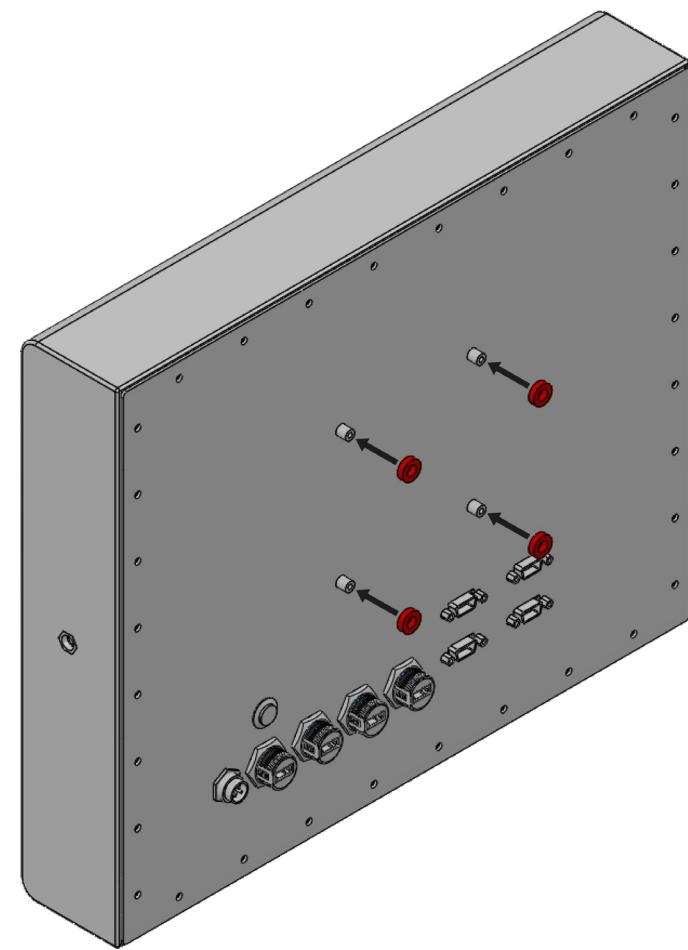
Pin No.	Type
1	L
2	N
3	$\underline{\underline{L}}$

4.2.4 CONNECTOR FOR IP67



INDICATION OF CONNECTION
OF THE CONNECTION.

Pin No.	Type
1	L
2	N
3	n.c.
4	$\underline{\underline{L}}$



VERSION	VESA
10"	VESA M4 - 100x100
15"	VESA M4 - 75x75
17"	VESA M4 - 100x100
19"	VESA M4 - 100x100
24"	VESA M4 - 100x100 VESA M4 - 200x200

6 OUT OF ORDER AND DISPOSAL

At the end of the product lifetime, it is necessary to separate the electrical and electronic parts from the metal components. These materials must be disposed in according to the current law about waste disposal. In particular, the RAEE makes provision for electrical and electronic components disposer by companies specialized in waste treatment.

7 ACCESSORIES

7.1 WALL MOUNT SUPPORT

Mount appropriately the arm optional on to the wall.

Version 10" weight 3.5Kg

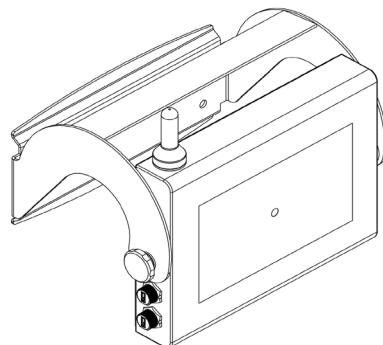
Version 15" weight 1.6Kg

Version 17" weight 1.2Kg

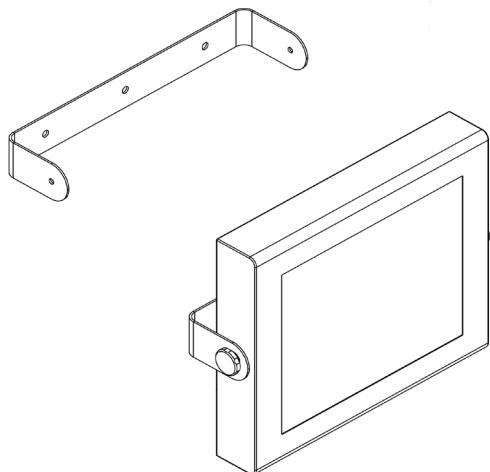
Version 17" Short weight 2Kg

Version 19" weight 2.4Kg

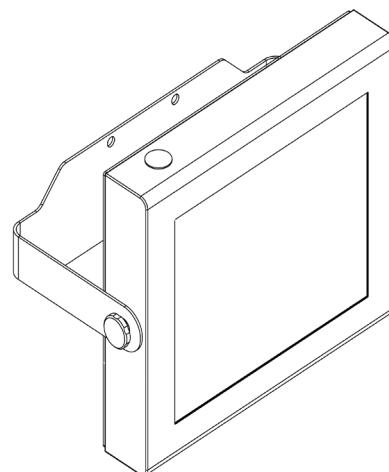
Version 24" weight 5.8Kg



For the version 10"



For the version 17"short



For the version 15",17",19",24"

7.2 CEILING MOUNT SUPPORT

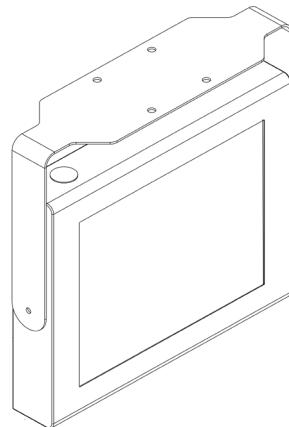
Mount appropriately the arm optional on to the ceiling.

Version 15" weight 3.5Kg

Version 17" weight 4Kg

Version 19" weight 4.3Kg

Version 24" weight 5.8Kg



For the version 15",17",19",24"

7.3 TABLE MOUNT SUPPORT

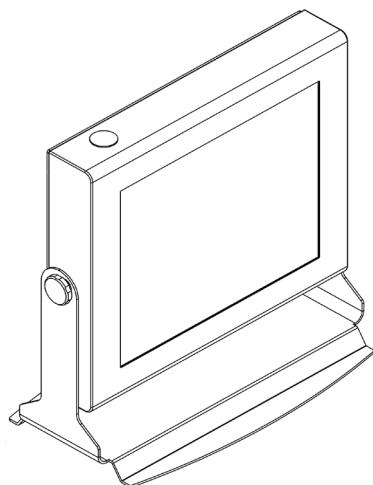
Set table stand

Version 10" weight 3.5Kg

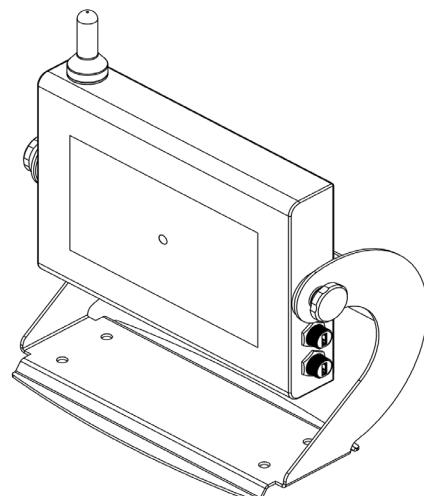
Version 15" weight 3Kg

Version 17" weight 3.7Kg

Version 19" weight 4.5Kg



For the version 15",17",19",



For the version 10"

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1 DESCRIPTION GÉNÉRALE

1.1 INTRODUCTION

Les écrans LCD de la série Taurus sont fabriqués avec un boîtier en acier inoxydable complètement scellé, qui garantit une protection contre les éclaboussures d'eau, les chocs et les vibrations. Cet écran est un produit professionnel qui permet une interface de signaux analogiques (VGA) et numériques (DVI). Grâce à ces caractéristiques, il convient à diverses applications, telles que l'industrie, l'alimentaire, les boissons et bien d'autres.

Caractéristiques principales:

- Gestion des signaux graphiques avec des synchronisations séparées (H-V), des synchronisations composites (HVS);
- Reconnaissance automatique du signal d'entrée;
- Fonction "auto adjustment" qui permet d'adapter l'image vidéo à l'écran;
- Fonction "energy saving" qui éteint l'écran en l'absence de signal;
- Alimentation 100-240Vac (sur demande 12Vdc et 19-36Vdc);
- Contrôle des fonctions via: boutons sur l'écran;
- Prédisposition pour écran tactile (en option).

1.2 NOTES

Les indications figurant dans ce manuel ne sont pas contractuelles. Les conditions générales de garantie sont déterminées par les lois en vigueur. La garantie normalement fournie concerne les dysfonctionnements du produit et ne couvre pas les dommages causés par une utilisation incorrecte ou une manipulation. Tous droits réservés. Toute reproduction ou traduction de ce manuel est interdite sans autorisation.

1.3 AVERTISSEMENTS

1.3.1 SYMBOLES ET CONVENTIONS



Ce symbole avertit l'utilisateur du risque de dommages matériels ou de perte de données si les prescriptions ne sont pas respectées.



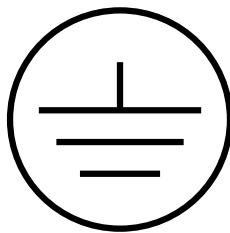
Ce symbole avertit l'utilisateur d'un danger pouvant causer des blessures graves ou la mort si les prescriptions ne sont pas respectées.

1.3.2 SÉCURITÉ



Lire attentivement les instructions de sécurité. Conserver ce manuel pour les consultations futures et observer toutes les précautions et avertissements sur le produit indiqués ci-dessous:

- Danger de choc électrique: ne pas utiliser le PC avec son couvercle arrière retiré, il y a des tensions dangereuses à l'intérieur.
- Ne jamais ouvrir l'appareil. Pour des raisons de sécurité, seul le personnel qualifié qui connaît l'appareil est autorisé à le faire.
- Débrancher l'appareil de toute prise de courant avant de le nettoyer.



Avant de connecter l'alimentation, assurez-vous que la prise électrique à laquelle vous vous connectez est correctement reliée à la terre conformément à la réglementation en vigueur. La prise d'alimentation doit également être la plus proche possible de l'équipement et facilement déconnectable.



Placez l'équipement sur une surface stable pendant l'installation. Le faire tomber ou le laisser tomber pourrait causer des dommages aux personnes et aux biens. Assurez-vous que la tension d'alimentation est correcte avant de connecter l'équipement à la prise de courant. Si le produit n'est pas utilisé pendant une longue période, veuillez le débrancher pour éviter les dommages.

Conservez-le correctement à la température et à l'humidité prescrites dans ce manuel. Dans les cas suivants, faites vérifier le produit par du personnel technique qualifié :

- Du liquide a pénétré à l'intérieur du produit.
- Le produit ne fonctionne pas correctement ou ne s'allume pas.
- Le produit est endommagé ou clairement cassé.

Le présent manuel, inclus dans l'emballage du produit, contient toutes les instructions pour une installation et une maintenance correctes.

1.4 RÉGLEMENTATION CE

Nos produits sont conçus conformément aux réglementations de sécurité électrique de la directive européenne 2014/35/UE - LVD (exigence essentielle de santé et de sécurité de la directive basse tension) et de compatibilité électromagnétique de la directive européenne 2014/30/UE - EMC (directive sur la compatibilité électromagnétique) pour l'apposition du marquage CE, conformément aux normes suivantes:

- CEI EN 60950-1 Sécurité électrique
- CEI EN 55X024 - CEI EN 55022 Compatibilité électromagnétique

1.5 ÉTIQUETTE DU PRODUIT

Tous les produits sont accompagnés d'une étiquette de production qui identifie les éléments suivants:

- Marque du constructeur ;
- Date de production ;
- Description du produit ;
- Modèle du produit ;
- Numéro de série.

1.6 DÉCLARATION DE LIMITATION DE RESPONSABILITÉ

Les mises à jour éventuelles du produit peuvent entraîner des modifications de ce manuel. Le fabricant se réserve le droit de modifier tout ou partie du manuel sans obligation de préavis. Le fabricant décline également toute responsabilité en cas de dommages causés à des personnes ou des biens à proximité dans les cas suivants:

- Mauvaise utilisation du produit et de ses accessoires ;
- Assemblage et installation incorrects ;
- Modifications ou interventions non autorisées ;
- Utilisation de pièces de rechange non d'origine ;
- Non-respect des instructions énoncées dans le présent manuel.

Conservez le manuel avec le plus grand soin dans un endroit sec et protégé, toujours à disposition pour de futures consultations. Le manuel doit être conservé pendant toute la durée de vie du produit. En cas de perte ou de détérioration, demandez-en un nouveau directement au fabricant.

1.6.1 ENTRETIEN ET GARANTIE

Le produit décrit dans ce manuel ne nécessite aucune maintenance de la part de l'utilisateur, à l'exception du nettoyage normal de l'écran, qui doit être effectué avec un produit spécifique non agressif et sans alcool, vaporisé sur un chiffon doux. Pour la réparation du produit, il est nécessaire de contacter le fabricant.



Non aprire mai l'apparecchiatura.
Per motivi di sicurezza, solo personale
di assistenza qualificato dovrebbe aprire l'apparecchio.



La normale pulizia dello schermo, che è da effettuare
utilizzando un prodotto specifico non aggressivo
e privo di alcool, spruzzato su un panno morbido.

1.7 EMBALLAGE

L'emballage se compose d'une boîte en carton contenant deux coques de sécurité qui garantissent la protection. Retirez le produit des coques de protection et vérifiez la présence des éléments suivants:

- Moniteur LCD TFT ;
- Documentation (ce manuel) ;
- Câbles de connexion.

1.8 CARACTÉRISTIQUES TECHNIQUES

- Indice de protection IP65 ou IP67: conforme à la norme CEI EN 60529.
- Sécurité dans le secteur alimentaire: conforme au RÈGLEMENT (CE) N. 1935/2004 relatif aux matériaux et objets destinés à entrer en contact avec des denrées alimentaires et abrogeant les directives 80/590/CEE et 89/109/CEE.
- Matériau utilisé pour l'armoire: AISI304, ou AISI316 (sur demande).

Entrée secteur:

100 ~ 240 Vac 50/60Hz.

Puissance absorbée maximale:

25W ~ 50W (en fonction de la taille de l'écran).

Plage de fréquences de fonctionnement:

- Fréquence horizontale: 30 - 60 kHz Multisync;
- Fréquence verticale: 56 - 75 Hz

Entrée de signal vidéo VGA STD:

RGB analogique, niveau de 0,7 ~ 1VPP ON, impédance de 75 ohms, connecteur HD15F.

Résolutions prises en charge:

- VGA/SVGA/XGA/SXGA/UXGA 75Hz;
- Plug & Play;
- Synthèse / composite;
- 0,3 ~ 5Vpp +/- niveau.

Entrées de signal vidéo prises en charge (optionnelles):

- VGA Plug & Play.
- Display Port Plug & Play.
- HDMI Plug & Play.

1.8.1 CONDITIONS D'UTILISATION

Conditions de fonctionnement:

- Température: 0°C +50°C
- Humidité: 10% - 95%
- Altitude: 0 - 3000m

Conditions de stockage:

- Température: -10°C +55°C
- Humidité: 5% - 95%
- Altitude: 0 - 3000m

Conditions de transport:

- Température: -35°C +60°C
- Humidité: 5% - 95%
- Altitude: 0 - 12000mt

1.9 SIGNALS D'ENTRÉE PRIS EN CHARGE

MODE	RÉSOLUTION	REFRESH RATE	H-FREQ.	PIXEL FREQ.	NOTE
VGA	640 x 350	70Hz	31.47KHz	25.175MHz	Standard VESA
VGA	720 x 400	59.940Hz	31.469KHz	25.175MHz	IBM VGA 3H
VGA	640 x 480	60Hz	31.5KHz	25.175MHz	Standard Industria
VGA	640 x 480	72Hz	37.9KHz	31.500MHz	Standard VESA
VGA	640 x 480	75Hz	37.5KHz	31.500MHz	Standard VESA
SVGA	800 x 600	60Hz	37.9KHz	40.000MHz	VESA linee guida
SVGA	800 x 600	72Hz	48.147KHz	50.000MHz	Standard VESA
SVGA	800 x 600	75Hz	46.9KHz	49.500MHz	Standard VESA
XGA	1024 x 768	60Hz	48.4KHz	65.000MHz	VESA linee guida
XGA	1024 x 768	70Hz	56.547KHz	75.000MHz	Standard VESA
XGA	1024 x 768	75Hz	60KHz	78.750MHz	Standard VESA
SXGA	1280 x 1024	60Hz	64KHz	108.000MHz	Standard VESA
SXGA	1280 x 1024	75Hz	80KHz	135.000MHz	Standard VESA
WXGA	1280 x 768	60~75Hz	47.7~65KHz	80.140MHz	Non Standard
WXGA	1366 x 768	60~75Hz	47.7~65KHz	80.000MHz	Non Standard
WSXGA	1440 x 900	60~75Hz	65KHz	150.000MHz	Non Standard
WSXGA	1680 x 1050	60Hz	70KHz	150.000MHz	Non Standard
WUXGA	1920 x 1080	60Hz	95KHz	190.000MHz	Non Standard

Tableau 1

*** NOTE:**

Disponible uniquement pour la deuxième version.

1.10 FONCTIONS DU CLAVIER



Navigation du menu:

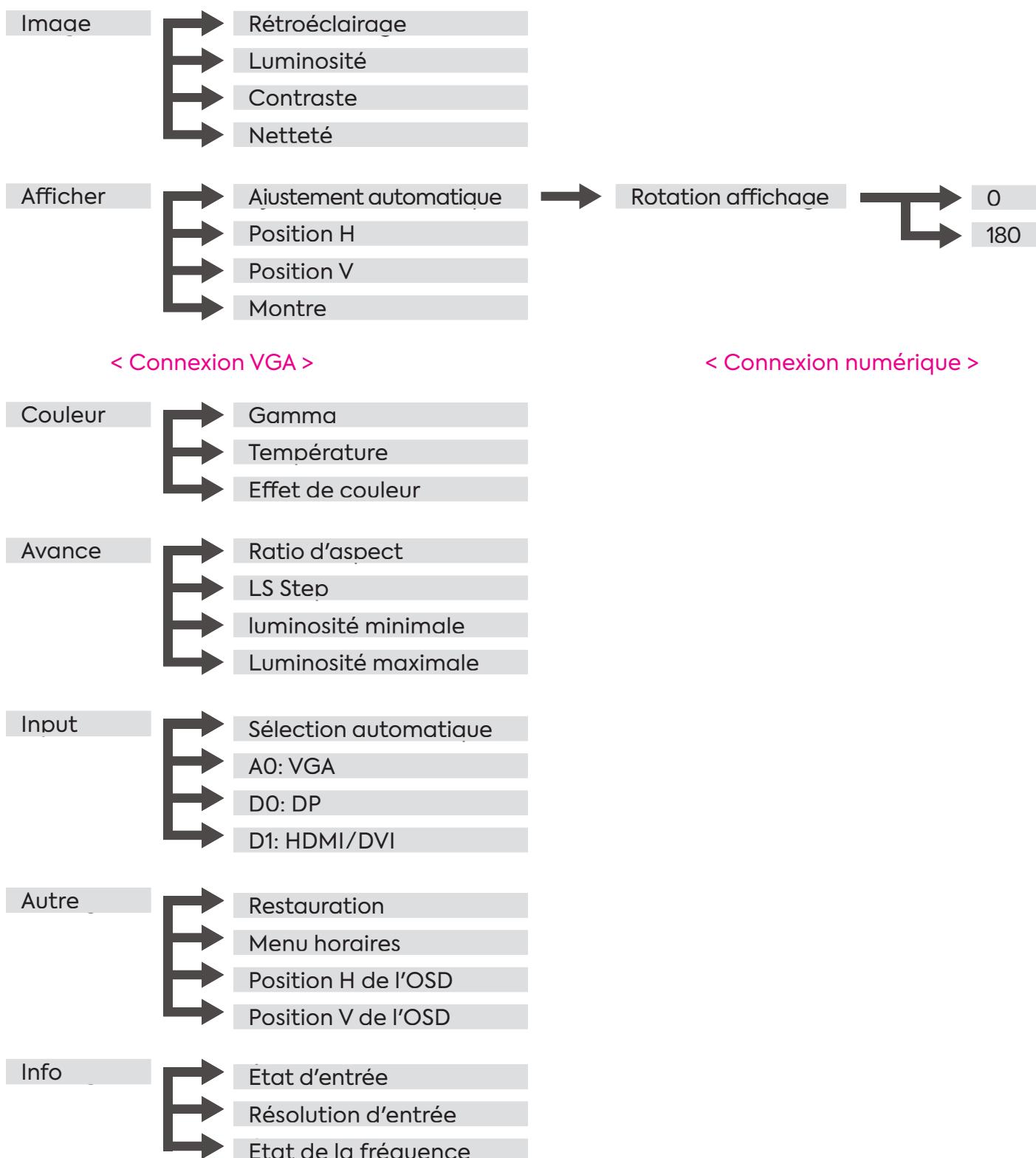
- "Menu/enter" = Ouvre le menu principal / confirme le menu choisi ;
- "Down" (flèche vers le bas) = Parcourt le menu choisi dans les différentes options ;
- "–" = Choix des sous-menus vers la gauche / diminue la réglage ;
- "+" = Choix des sous-menus vers la droite / augmente la réglage ;
- "SRC / Exit" = Change de source (RGB / DVI) / Quitte le menu OSD ;
- "Power" = Allume / éteint le moniteur.

Réglages "on screen display"

Pour accéder au menu à l'écran, appuyez sur la touche "MENU" sur le clavier situé à l'arrière du moniteur.

2 CARTE OSD (AFFICHAGE À L'ÉCRAN)

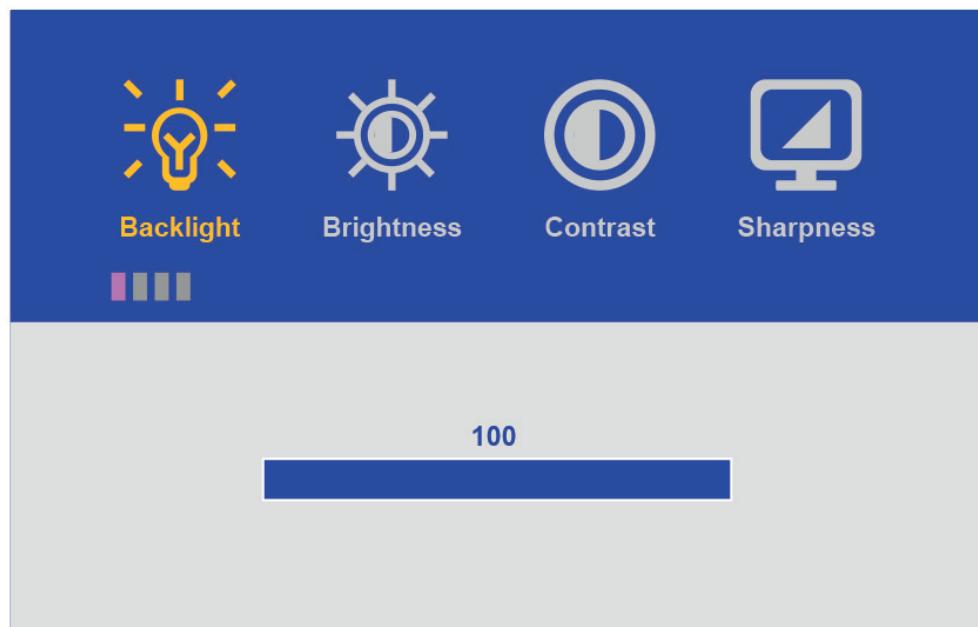
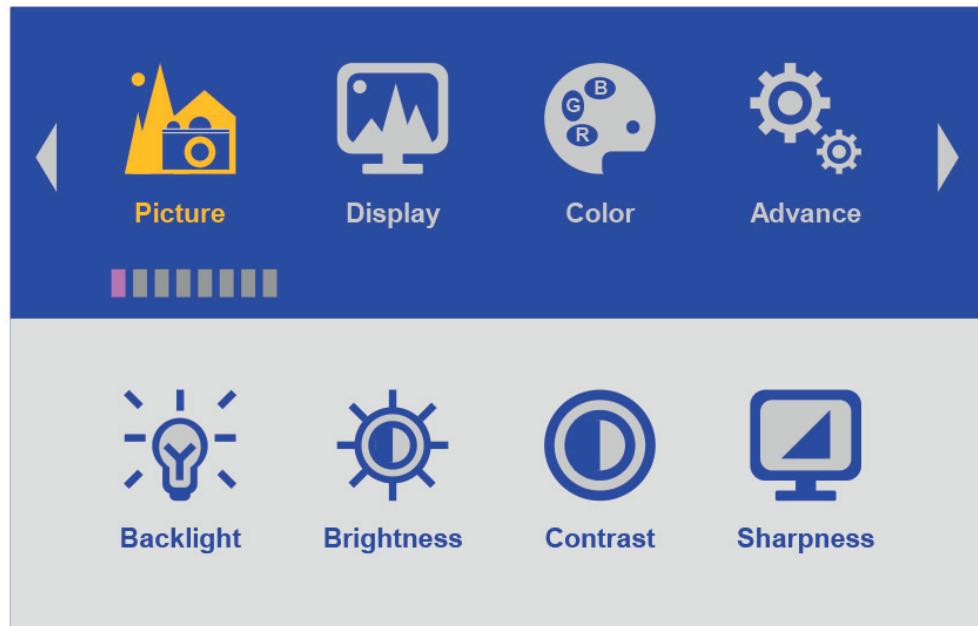
2.1 RÉSUMÉ DU MENU OSD



2.2 MENU OSD POUR LA MODIFICATION DES IMAGES ET DES PARAMÈTRES

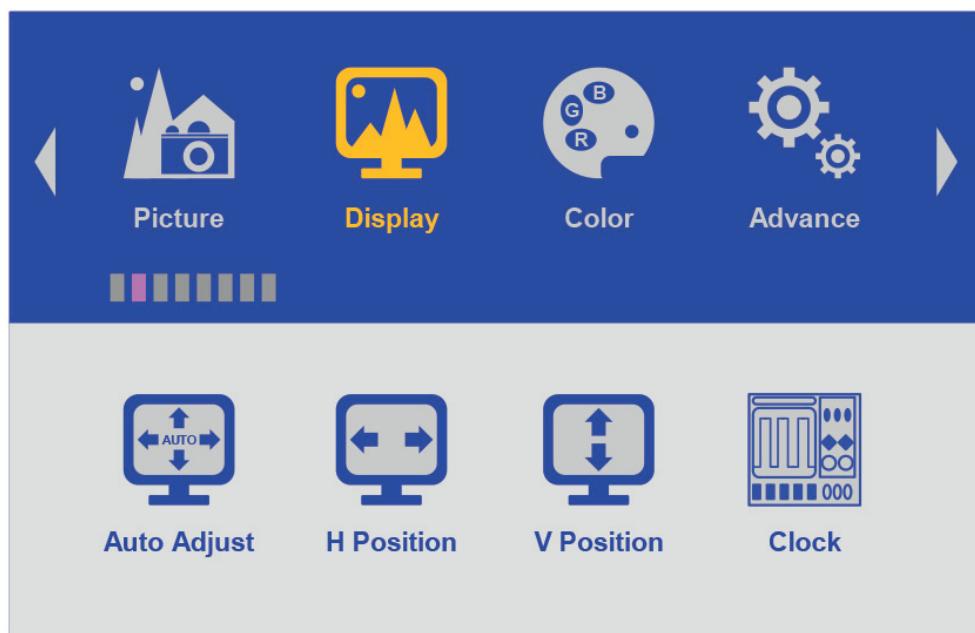
Dans la section "Picture", vous pouvez ajuster les valeurs de l'image :

- Backlight : règle l'intensité du rétroéclairage.
- Brightness : règle la luminosité de l'image.
- Contrast : règle le contraste de l'image.
- Sharpness : règle la netteté de l'image.

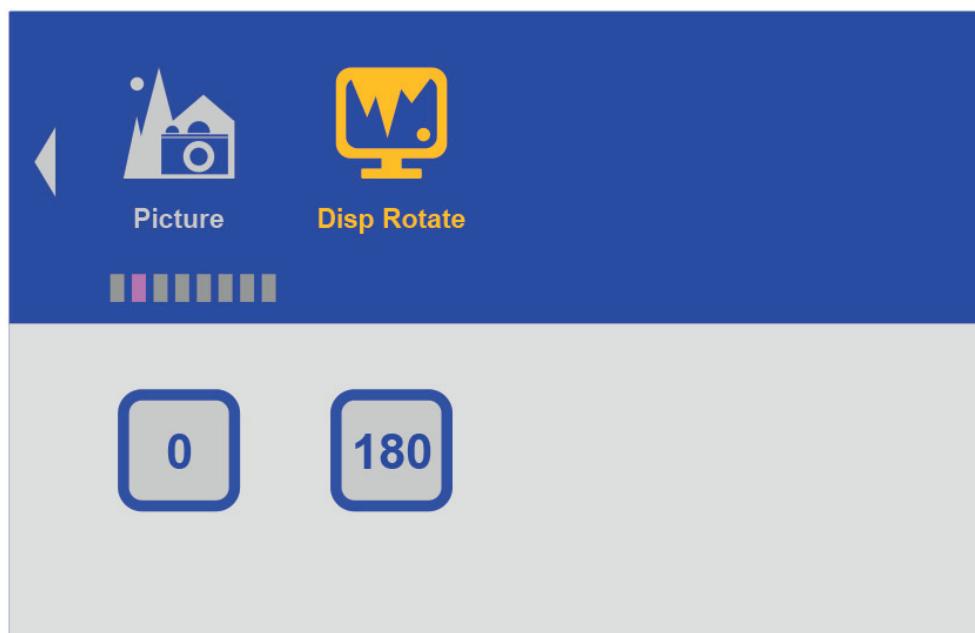


Dans la section "Display", vous pouvez ajuster la position de l'image :

- Auto Adjust : règle automatiquement la position de l'image.
- H Position : règle la position horizontale de l'image.
- V Position : règle la position verticale de l'image.
- Clock : règle la fréquence d'horloge de l'image.

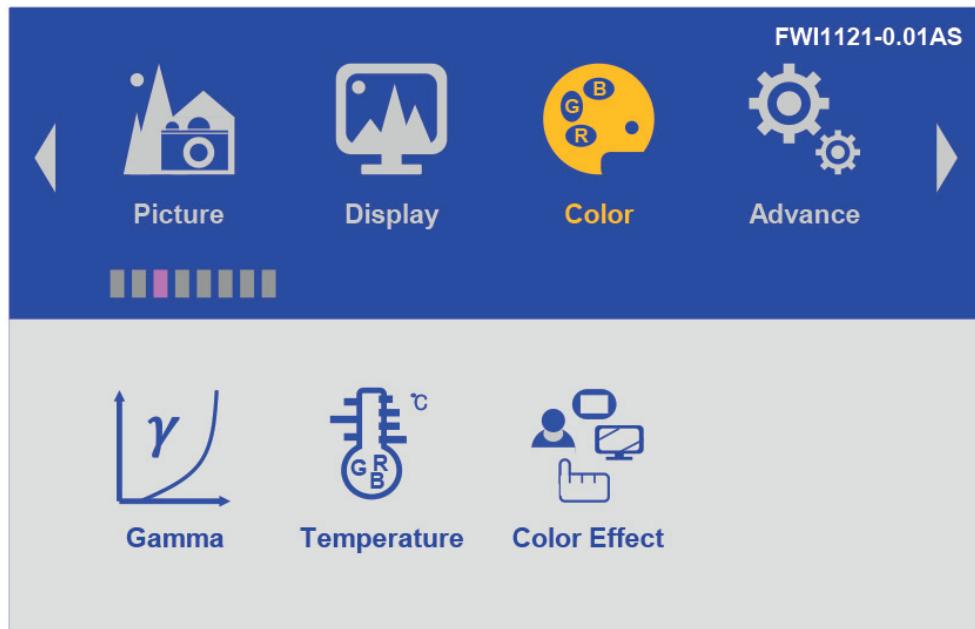


Dans la section "Disp Rotate", vous pouvez ajuster la rotation de l'image.



Dans la section "Color", vous pouvez ajuster les couleurs de l'image :

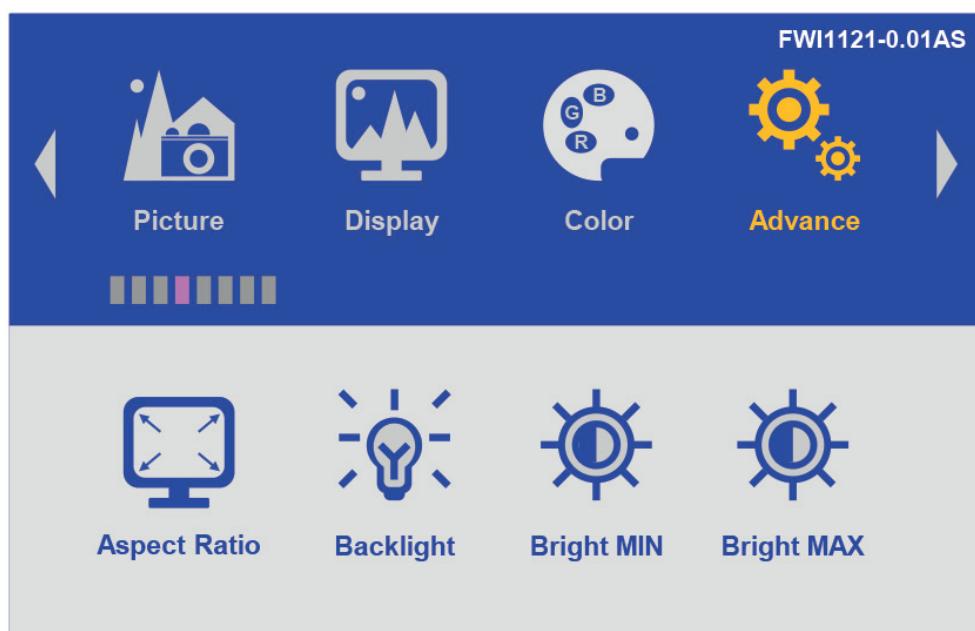
- Gamma : règle la gamma des couleurs.
- Temperature : règle la température des couleurs.
- Color Effect : vous permet de choisir parmi des réglages de couleur prédéfinis.



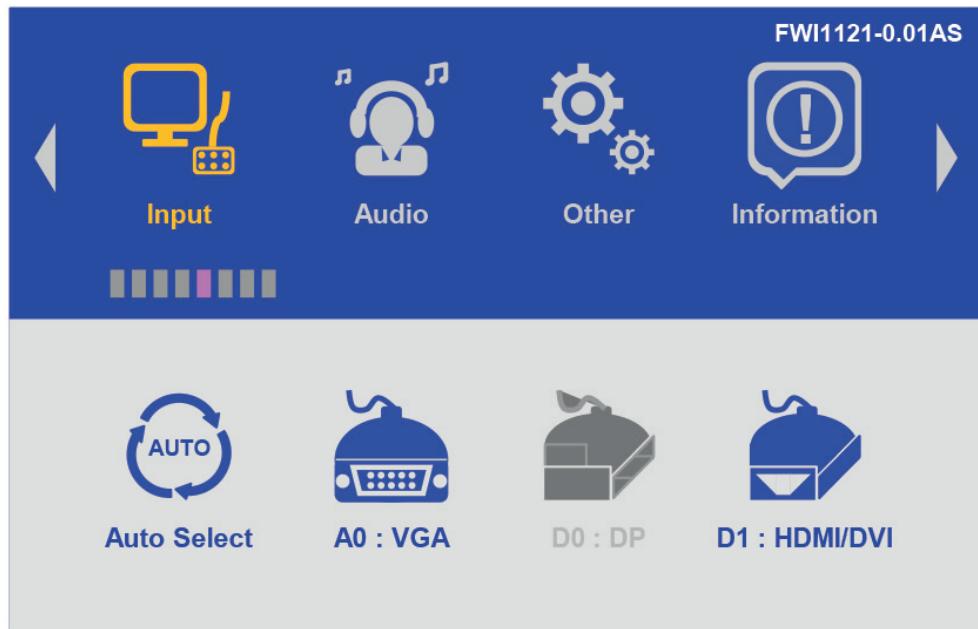
Dans la section "Advance", vous pouvez ajuster les paramètres avancés pour :

Aspect Ratio :

- Backlight (LS Step) : menu des paramètres avec capteur de lumière (facultatif).
- Bright MIN : définit la limite minimale de luminosité.
- Bright MAX : définit la limite maximale de luminosité.

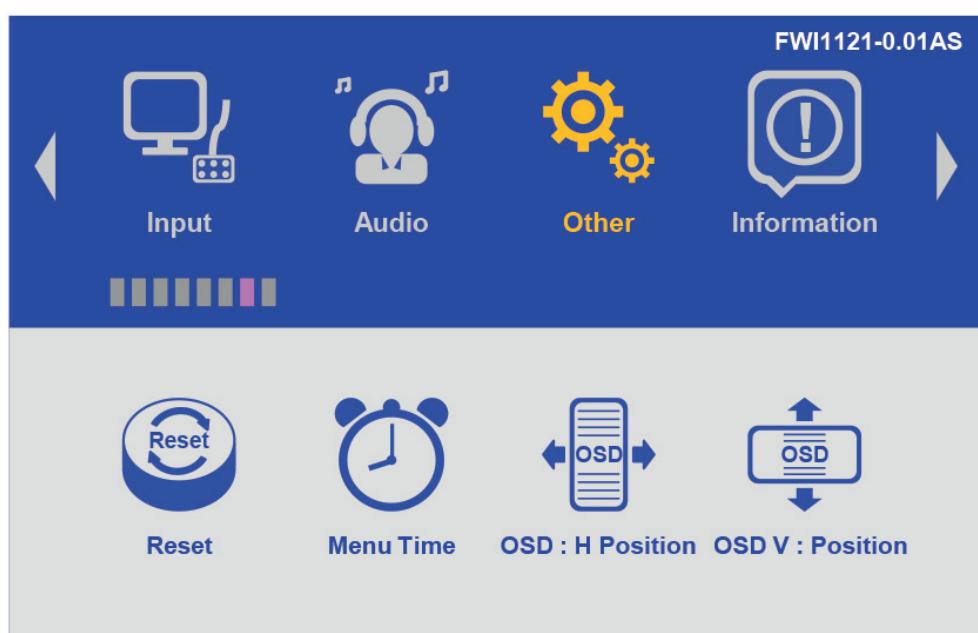


Dans la section "Input", vous pouvez définir l'autosélection des entrées (sélection automatique) ou choisir manuellement parmi différentes entrées disponibles (par ex. DVI).

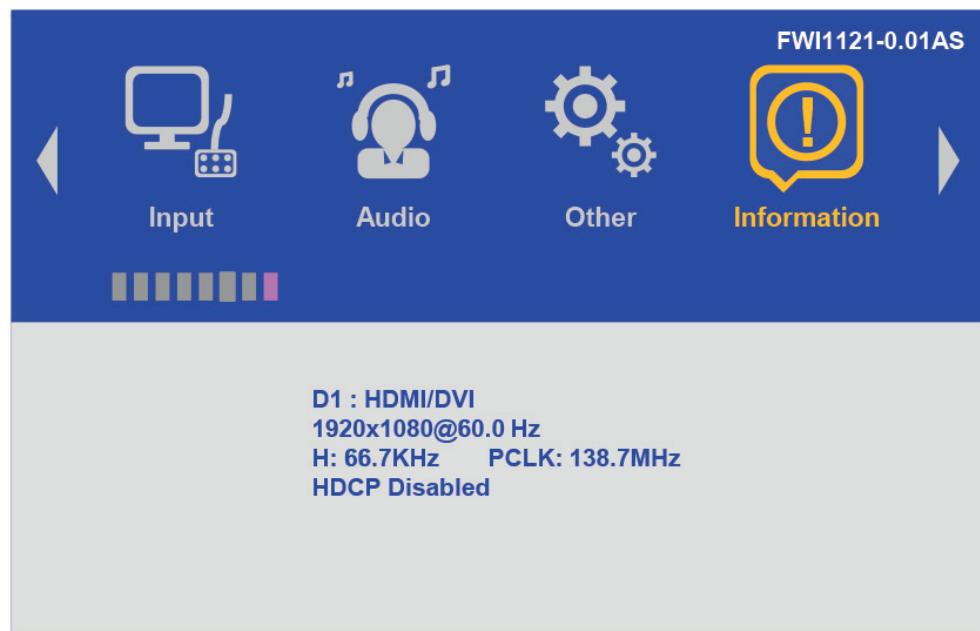


Dans la section "Other", vous pouvez :

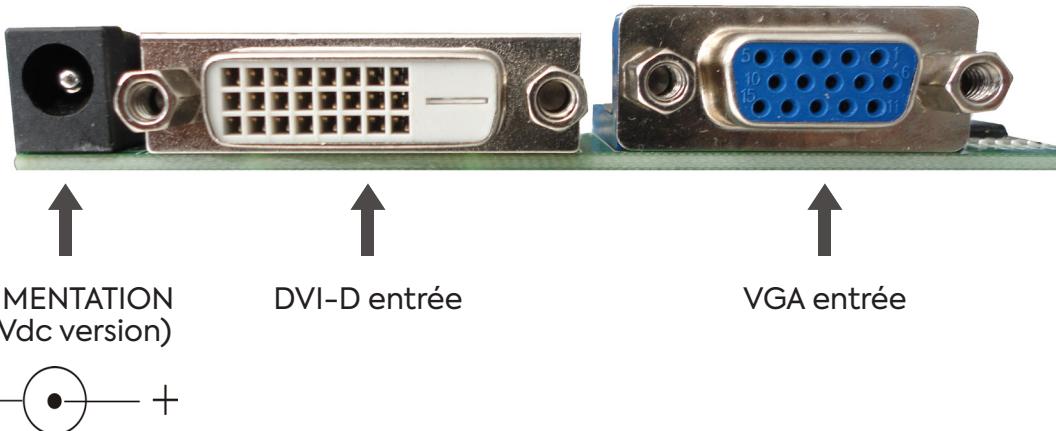
- Reset : restaurer les paramètres d'usine.
- Menu Time : afficher le temps pendant lequel l'OSD reste actif.
- OSD - H Position : ajuster la position horizontale du menu OSD.
- OSD - V Position : ajuster la position verticale du menu OSD.



Dans la section "Informations", vous pouvez consulter des informations sur le signal vidéo appliqué, le type d'entrée, etc.



3 SOURCE D'ENTRÉE



VGA CONNECTOR:

Pin No.	Description	Pin No.	Type	Description
1	Analog Red	9	VGA 5Vdc	+ 5Vdc
2	Analog Green	10	SGND	Sync GND
3	Analog Blue	11	NC	No Connection
4	No Connection	12	SDA	DDC Serial data
5	GND	13	H SYNC	Horizontal sync
6	Red return	14	V SYNC	Vertical sync
7	Green return	15	SCL	DDC Data clock
8	Blue return			

DVI-D CONNECTOR:

Pin No.	Type	Pin No.	Type	Pin No.	Type
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4shield	11	T.M.D.S. Data1/3 shield	19	T.M.D.S. Data0/5 shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+ 5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	GND (5V, H-Sync, V-Sync)	23	T.M.D.S. Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S. Clock-

SERIAL PORT CONNECTOR:

Pin No.	Type
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND
6	RTS, Request to send
7	CTS, Clear to send
8	RI, Ring indicator

3.1 VERSION IP65 ET IP67

VERSION IP65

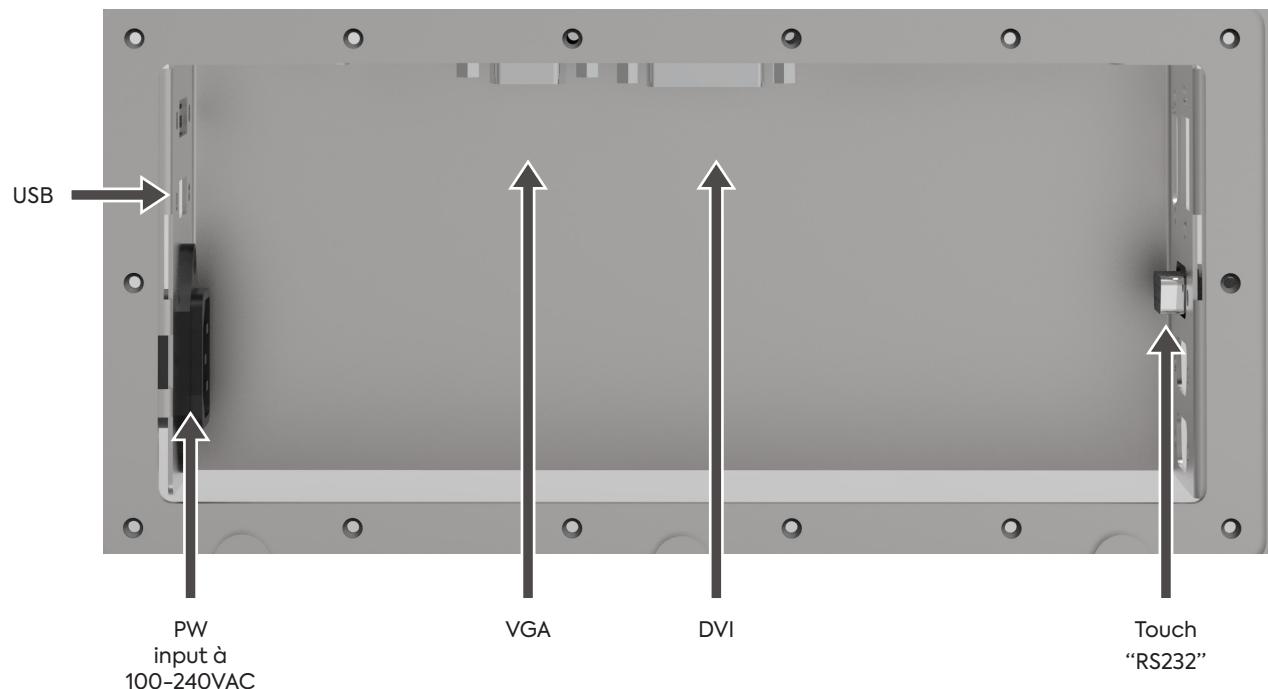


VERSION IP67

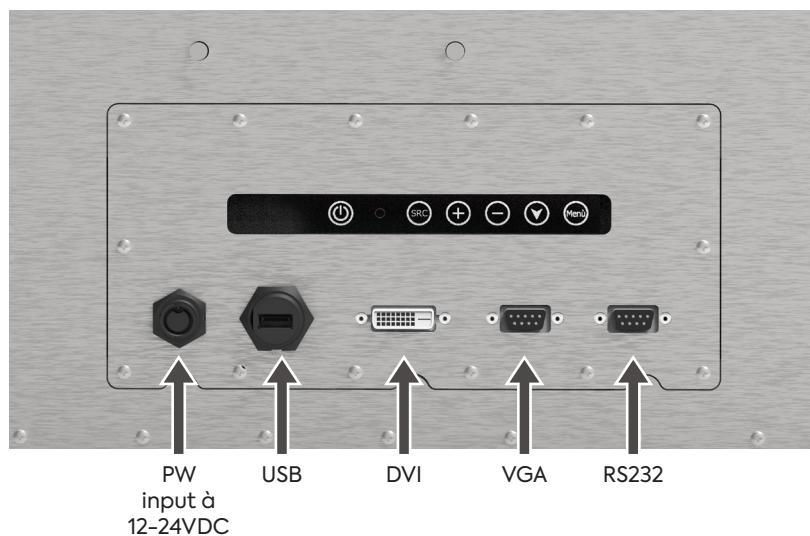
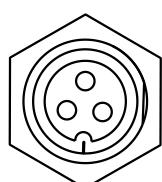


3.2 CONNEXION IP65 ET IP67

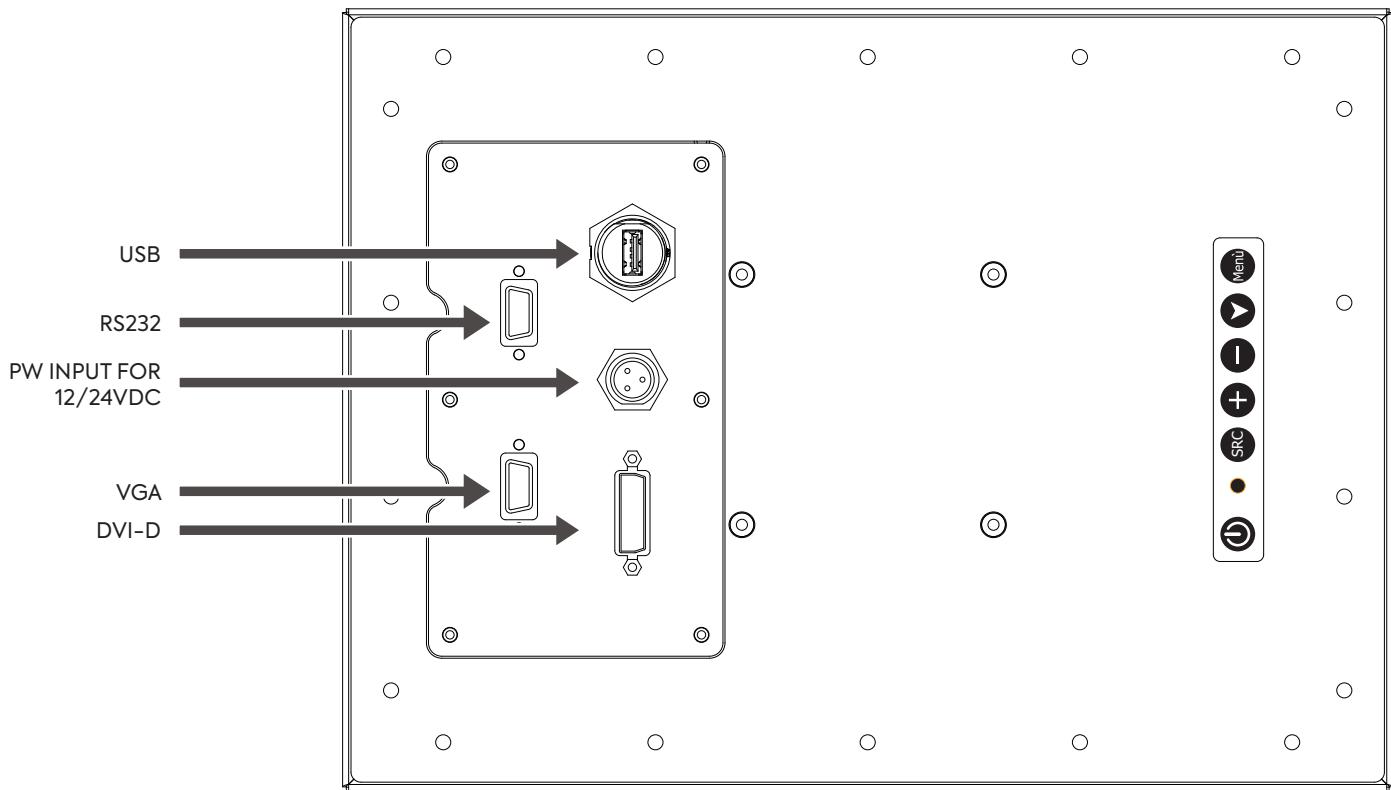
3.2.1 CONNEXION IP65



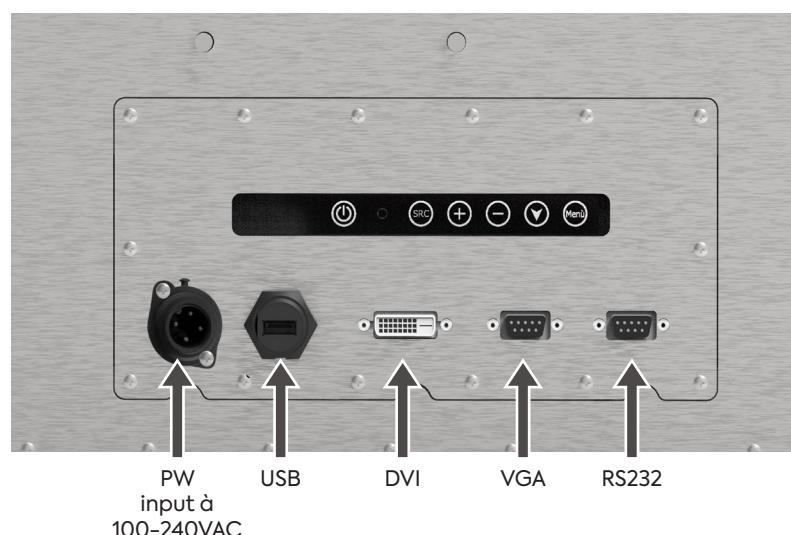
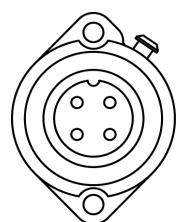
3.2.2 CONNEXION POUR 12VDC/24VDC IP67



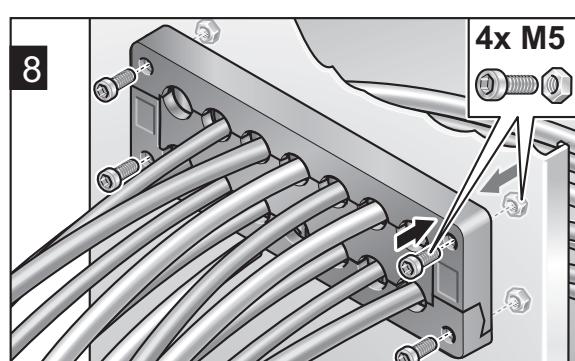
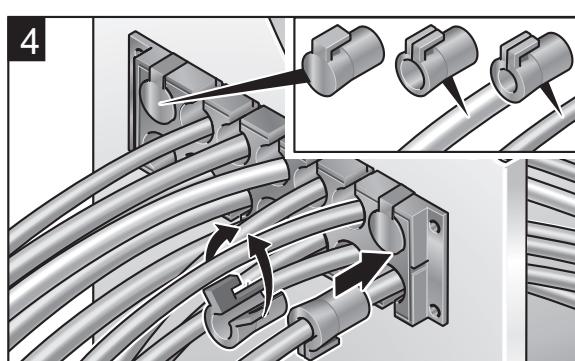
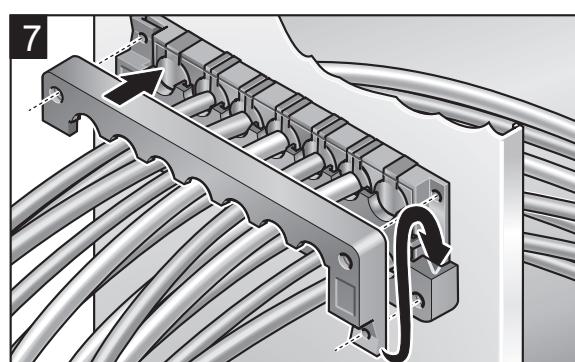
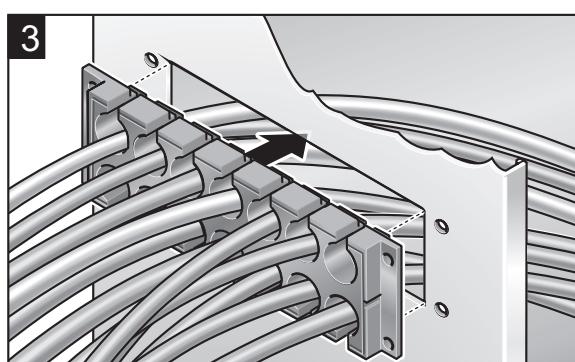
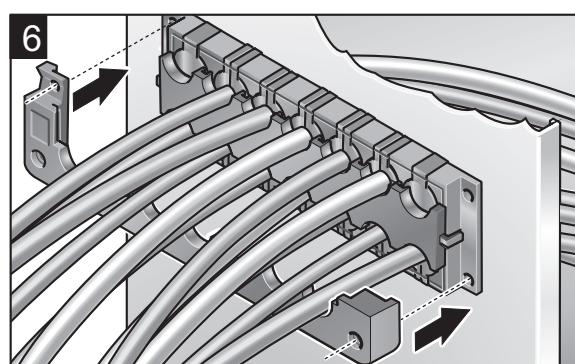
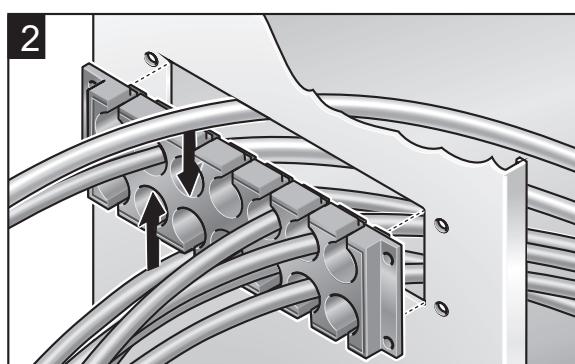
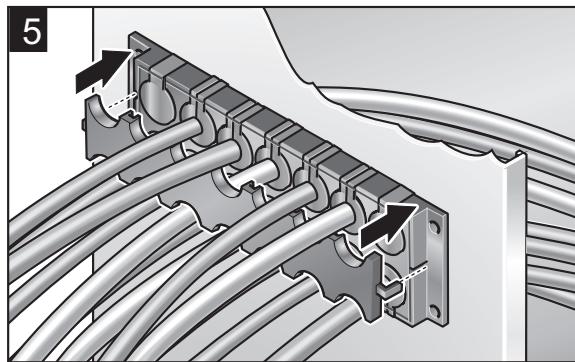
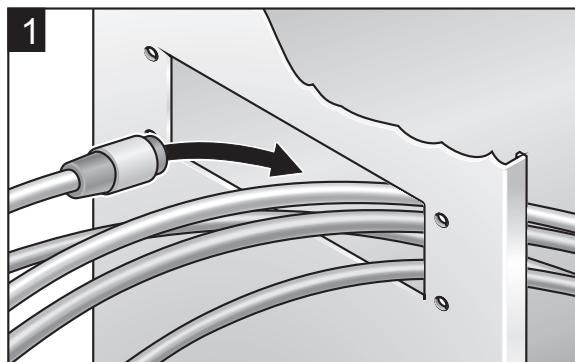
3.2.3 CONNEXION POUR 12VDC/24VDC IP67 10.1"



3.2.4 CONNEXION POUR 100-240 VAC IP67

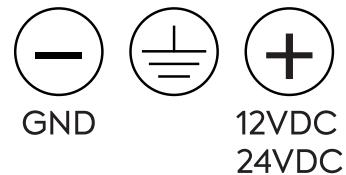


3.2.5 POSITIONNEMENT CÂBLE D'ENTRÉE IP65



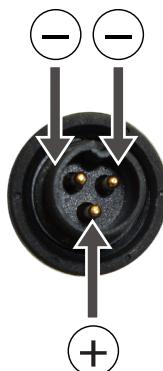
4 CONNECTEURS DE L'ALIMENTATION

4.1 CONNECTEUR D'ALIMENTATION 12VDC / 24VDC POUR IP65



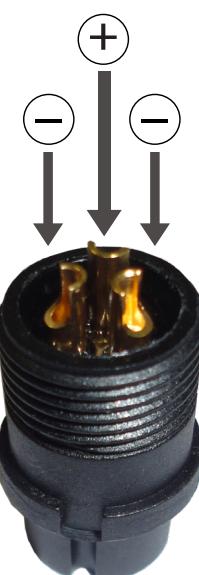
4.2 ACCESSOIRES RACCORDEMENT DE L'ALIMENTATION

4.2.1 BOÎTE ALIMENTATION 12VDC POUR IP67



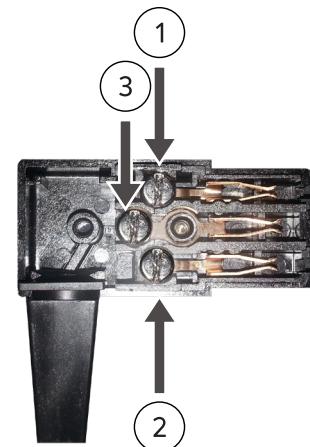
4.2.2 CONNECTEUR 12-24VDC POUR IP67

CÂBLES DE
RACCORDEMENT
SUR CONNECTEUR



MNL301

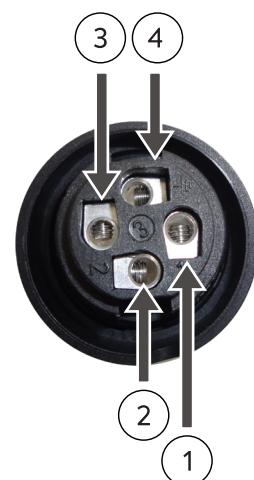
4.2.3 CONNECTEUR POUR BOÎTE ALIMENTATION 100-240VAC POUR IP67



INDICATION DE CONNEXION
DU ALIMENTATION

Pin No.	Type
1	L
2	N
3	---

4.2.4 CÂBLE ALIMENTATION 100-240VAC POUR IP67

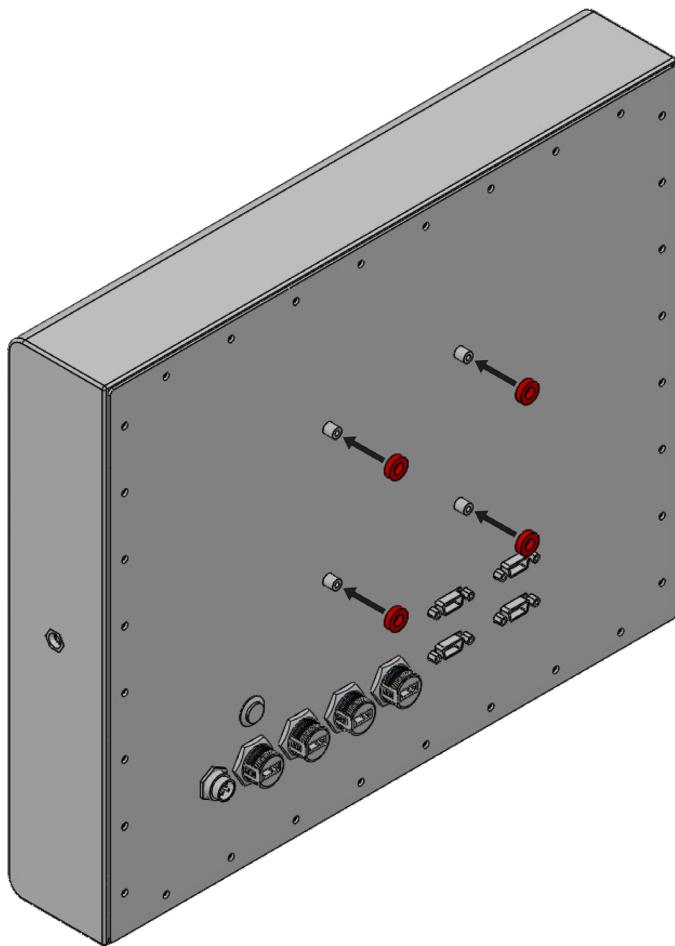


INDICATION DE CONNEXION
DU ALIMENTATION

Pin No.	Type
1	L
2	N
3	n.c.
4	---

5 SUPPORT DE MONTAGE VESA

FRANÇAIS



VERSION	VESA
10"	VESA M4 - 100x100
15"	VESA M4 - 75x75
17"	VESA M4 - 100x100
19"	VESA M4 - 100x100
24"	VESA M4 - 100x100 VESA M4 - 200x200

6 MISE HORS SERVICE ET ELIMINATION

Lors de l'élimination de ce produit, il est nécessaire de séparer les pièces électriques et électroniques des composants métalliques. Ces matériaux doivent être éliminés conformément à la réglementation en vigueur sur l'élimination des déchets. En particulier, la législation sur les RAEE prévoit l'élimination des composants électriques et électroniques par les entreprises qui se spécialisent dans le traitement de ces déchets.

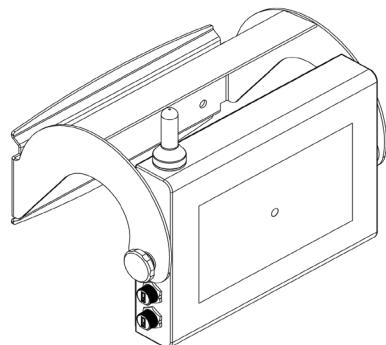
7 ACCESSORIES

7.1 SUPPORT AU MUR

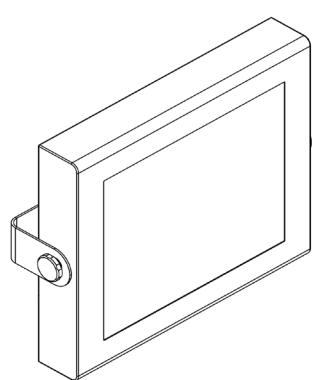
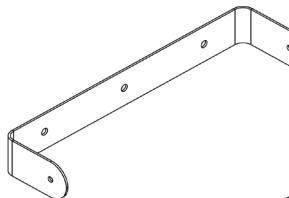
Montez de manière appropriée le bras en option sur le mur.

- Version 10" poids 3.5Kg
- Version 15" poids 1.6Kg
- Version 17" court poids 1.2Kg
- Version 17" poids 2Kg
- Version 19" poids 2.4Kg
- Version 24" poids 5.8Kg

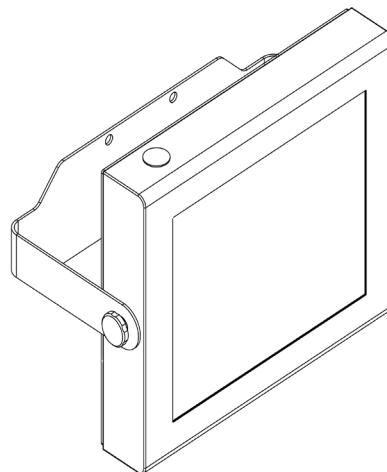
FRANÇAIS



Pour la version 10"



Pour la version 17"short

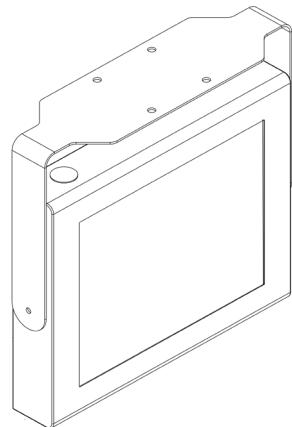


Pour la version 15",17",19",24"

7.2 SUPPORT AU PLAFOND

Mont de manière appropriée le bras en option sur le mur .

- Version 15" poids 3.5Kg
- Version 17" poids 4Kg
- Version 19" poids 4.3Kg
- Version 24" poids 5.8Kg

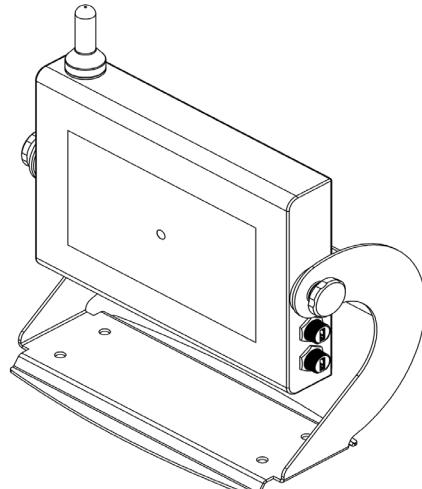
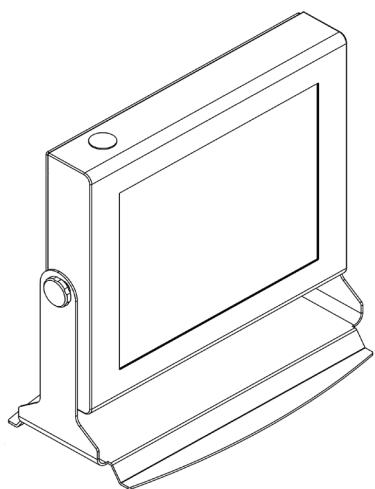


Pour la version 15",17",19",24"

7.3 SUPPORT AU TABLE

Table Set

- Version 10" poids 3.5 Kg
- Version 15" poids 3 Kg
- Version 17" poids 3.7 Kg
- Version 19" poids 4.5 Kg



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1 DESCRIZIONE GENERALE

1.1 INTRODUZIONE

I monitor LCD della serie Taurus sono realizzati con un cabinet in acciaio inossidabile completamente sigillato, che garantisce protezione contro spruzzi di acqua e polvere, urti e vibrazioni. Questo monitor è un prodotto professionale che consente un interfacciamento di segnali analogici (VGA) e digitali (DVI). Grazie a queste caratteristiche, è adatto a diverse applicazioni, quali industriali, alimentari, delle bevande e molti altri.

Caratteristiche principali:

- Gestione segnali grafici con sincronismi separati (H-V), sincronismi compositi (HVS);
- Riconoscimento automatico del segnale in ingresso;
- Funzione "auto adjustment" che permette di adattare allo schermo l'immagine video;
- Funzione "energy saving" che spegne il monitor in assenza di segnale;
- Alimentazione 100-240Vac (a richiesta 12Vdc e 19-36Vdc);
- Controllo delle funzioni tramite: pulsanti sul monitor;
- Predisposizione per Touch screen (Opzionale).

1.2 NOTE

Le indicazioni riportate nel presente manuale non sono un obbligo contrattuale. Le condizioni generali di garanzia sono determinate dalle leggi vigenti. La garanzia normalmente fornita è relativa a malfunzionamento del prodotto e non copre danni causati da errato utilizzo e manomissioni. Tutti i diritti sono riservati. Ogni riproduzione o la traduzione di questo manuale è vietata senza autorizzazione.

1.3 AVVERTENZE

1.3.1 SIMBOLI E CONVENZIONI



Questo simbolo avverte l'utente del rischio di danni a cose o la perdita di dati, se le prescrizioni non sono rispettate.



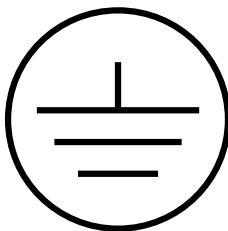
Questo simbolo avverte l'utente di un pericolo che può causare lesioni gravi o morte, se le Prescrizioni non sono rispettate.

1.3.2 SICUREZZA



Leggere attentamente le istruzioni di sicurezza. Conservare questo manuale per consultazioni future ed osservare tutte le precauzioni e le avvertenze sul prodotto di seguito indicate:

- Pericolo di scossa elettrica: non utilizzare il PC con il suo coperchio posteriore rimosso, ci sono tensioni pericolose al suo interno.
- Non aprire mai l'apparecchiatura. Per motivi di sicurezza, solo il personale qualificato che conosce l'apparecchiatura è autorizzato a farlo.
- Scollegare l'apparecchio da qualsiasi presa di corrente prima di pulirlo.



- Prima di collegare l'alimentazione, assicurarsi che la presa di corrente al quale ci si conserverà abbia il cavo di messa a terra regolarmente connesso come imposto dalla normativa vigente. La presa di alimentazione inoltre deve essere il più vicino possibile all'apparecchiatura e deve essere facilmente scollegabile.



- Mettere l'apparecchiatura su una superficie stabile durante l'installazione. Farlo cadere o lasciarlo cadere potrebbe causare danni a persone e cose.
- Assicurarsi che la tensione di alimentazione sia corretta prima di collegare l'apparecchio alla presa di corrente.
- Se il prodotto non viene utilizzato per un lungo periodo di tempo, si prega di scollegarlo per evitare i danni.

Conservare in modo appropriato con temperatura e umidità prescritte in questo manuale.
Nei seguenti casi, far controllare il prodotto da personale tecnico qualificato:

- Del liquido è penetrato all'interno del prodotto.
- Il prodotto non funziona bene, o non si accende.
- Il prodotto è danneggiato o chiaramente rotto .

Il presente manuale, inserito a corredo nella confezione del prodotto, contiene tutte le istruzioni per una corretta installazione e manutenzione.

1.4 REGOLAMENTAZIONE CE

I nostri prodotti sono progettati in conformità alle prescrizioni di sicurezza elettrica della direttiva europea 2014/35/UE – LVD (Essential Health and Safety Requirement of the Low-Voltage Directive) e compatibilità elettromagnetica della direttiva europea 2014/30/UE – EMC (Electromagnetic Compatibility Directive) per l'apposizione del marchio CE, relativamente agli standard:

- CEI EN 60950-1 Sicurezza Elettrica
- CEI EN 55X024 – CEI EN 55022 Compatibilità Elettromagnetica

1.5 ETICHETTA DEL PRODOTTO

Tutti i prodotti sono corredati da un'etichetta di produzione che ne identifica i seguenti elementi:

- Marchio del costruttore;
- Data di produzione;
- Descrizione del prodotto;
- Modello del prodotto;
- Numero di serie.

1.6 DICHIARAZIONE DI LIMITAZIONE RESPONSABILITÀ

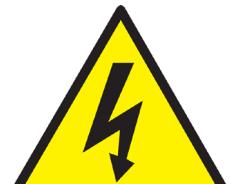
Eventuali aggiornamenti al prodotto, potrebbero essere la causa di cambiamenti a questo manuale, il costruttore si riserva il diritto di modificare, tutto o in parte, senza alcun obbligo di preavviso. Il costruttore inoltre, non si assume alcuna responsabilità per danni causati a persone o a cose vicino ad esso nei seguenti casi:

- Uso improprio del prodotto e dei suoi accessori;
- Assemblaggio e installazione improprie;
- Modifiche o interventi non autorizzati;
- Utilizzo di parti di ricambio non originali;
- Il mancato rispetto delle prescrizioni stabilite dal presente manuale.

Conservare il manuale con la massima cura in un luogo asciutto e protetto, sempre a disposizione per future consultazioni. Il manuale dovrebbe essere mantenuto per tutta la vita del prodotto. In caso di smarrimento o deterioramento chiedere direttamente al costruttore uno nuovo.

1.6.1 MANUTENZIONE E GARANZIA

Il prodotto oggetto del presente manuale non necessita di alcuna manutenzione da parte dell'utente, oltre la normale pulizia dello schermo, che è da effettuare utilizzando un prodotto specifico non aggressivo e privo di alcool, spruzzato su un panno morbido. Per la riparazione del prodotto è necessario contattare il produttore.



Non aprire mai l'apparecchiatura.
Per motivi di sicurezza, solo personale
di assistenza qualificato dovrebbe aprire l'apparecchio.



La normale pulizia dello schermo, che è da effettuare
utilizzando un prodotto specifico non aggressivo
e privo di alcool, spruzzato su un panno morbido.

1.7 IMBALLAGGIO

L'imballaggio è costituito da una scatola di cartone che racchiude due gusci di sicurezza che garantiscono la protezione. Estrarre il prodotto dai gusci di protezione, controllare che ci siano i seguenti elementi:

- LCD TFT monitor;
- Documentazione (questo manuale);

- Cavi di connessione.

1.8 CARATTERISTICHE TECNICHE

- Grado di protezione IP65 o IP67: conforme alla norma CEI EN 60529.
- Sicurezza nel settore alimentare: in conformità al REGOLAMENTO (CE) N. 1935/2004 riguardante i materiali e gli oggetti destinati a venire a contatto con i prodotti alimentari e che abroga le direttive 80/590/CEE e 89/109/CEE.
- Materiale utilizzato per il cabinet: AISI304, oppure AISI316 (Su richiesta)

Ingresso rete:

100 ~ 240 Vac 50/60Hz.

Potenza massima assorbita:

25W ~ 50W (In base alla dimensione del Display).

Gamma frequenze di funzionamento:

- Frequenza orizzontale : 30 – 60 kHz Multisync;
- Frequenza verticale : 56 – 75 Hz

VGA ingresso segnale video VGA STD:

RGB analogico, 0.7 ~ 1VPP level ON 75 ohm impedance HD15F

Risoluzioni riportate:

- VGA/SVGA/XGA/SXGA/UXGA 75hz;
- Plug & Play;
- Separated / composite syn;
- 0.3 ~ 5Vpp +/- level.

Ingresso segnali video supportati (Opzionali):

- VGA Plug & Play.
- Display Port Plug & Play.
- HDMI Plug & Play.

1.8.1 CONDIZIONI OPERATIVE DI UTILIZZO

Condizioni operative:

- Temperatura: 0°C +50°C
- Umidità: 10% - 95%
- Altitudine: 0 - 3000mt

Condizioni di immagazzinamento:

- Temperatura: -10°C +55°C
- Umidità: 5% - 95%
- Altitudine: 0 - 3000mt

Condizioni per il trasporto:

- Temperatura: -35°C +60°C
- Umidità: 5% - 95%
- Altitudine: 0 - 12000mt

1.9 SEGNALI DI INGRESSO SUPPORTATI

MODALITÀ	RISOLUZIONE	REFRESH RATE	H-FREQ.	PIXEL FREQ.	NOTE
VGA	640 x 350	70Hz	31.47KHz	25.175MHz	Standard VESA
VGA	720 x 400	59.940Hz	31.469KHz	25.175MHz	IBM VGA 3H
VGA	640 x 480	60Hz	31.5KHz	25.175MHz	Standard Industria
VGA	640 x 480	72Hz	37.9KHz	31.500MHz	Standard VESA
VGA	640 x 480	75Hz	37.5KHz	31.500MHz	Standard VESA
SVGA	800 x 600	60Hz	37.9KHz	40.000MHz	VESA linee guida
SVGA	800 x 600	72Hz	48.147KHz	50.000MHz	Standard VESA
SVGA	800 x 600	75Hz	46.9KHz	49.500MHz	Standard VESA
XGA	1024 x 768	60Hz	48.4KHz	65.000MHz	VESA linee guida
XGA	1024 x 768	70Hz	56.547KHz	75.000MHz	Standard VESA
XGA	1024 x 768	75Hz	60KHz	78.750MHz	Standard VESA
SXGA	1280 x 1024	60Hz	64KHz	108.000MHz	Standard VESA
SXGA	1280 x 1024	75Hz	80KHz	135.000MHz	Standard VESA
WXGA	1280 x 768	60~75Hz	47.7~65KHz	80.140MHz	Non Standard
WXGA	1366 x 768	60~75Hz	47.7~65KHz	80.000MHz	Non Standard
WSXGA	1440 x 900	60~75Hz	65KHz	150.000MHz	Non Standard
WSXGA	1680 x 1050	60Hz	70KHz	150.000MHz	Non Standard
WUXGA	1920 x 1080	60Hz	95KHz	190.000MHz	Non Standard

Tabella 1

*** NOTE:**

Disponibile solo per la seconda versione.

1.10 TASTIERA FUNZIONI



Navigazione menu:

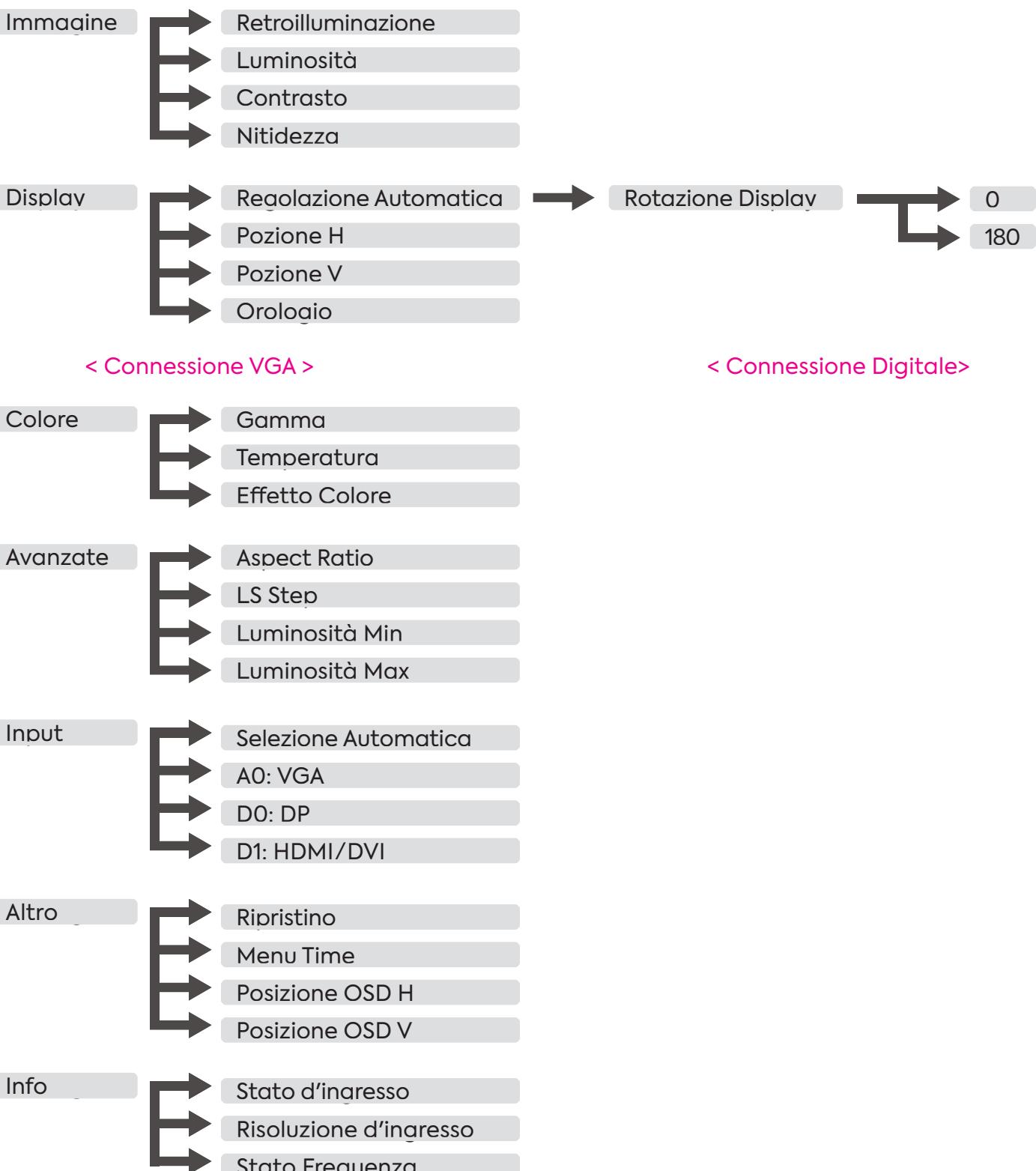
- “Menu/ enter” = Apre il menu principale / conferma il menu scelto;
- “Down” (Freccia in basso)= Scorre il menu scelto nelle varie opzioni;
- “-” = Sceglie i sottomenu verso sinistra / decrementa la regolazione;
- “+” = Sceglie i sottomenu verso destra / aumenta la regolazione;
- “SRC / Exit”= Cambia sorgente (RGB / DVI)/ Esce dal menu OSD;
- “Power”= Accende / spegne il monitor.

Settaggi “on screen display”

Per accedere al menù a schermo, premere il tasto “MENU” sulla tastiera posta sul retro del monitor.

2 SCHEDA OSD (VISUALIZZAZIONE SU SCHERMO)

2.1 SOMMARIO MENU OSD

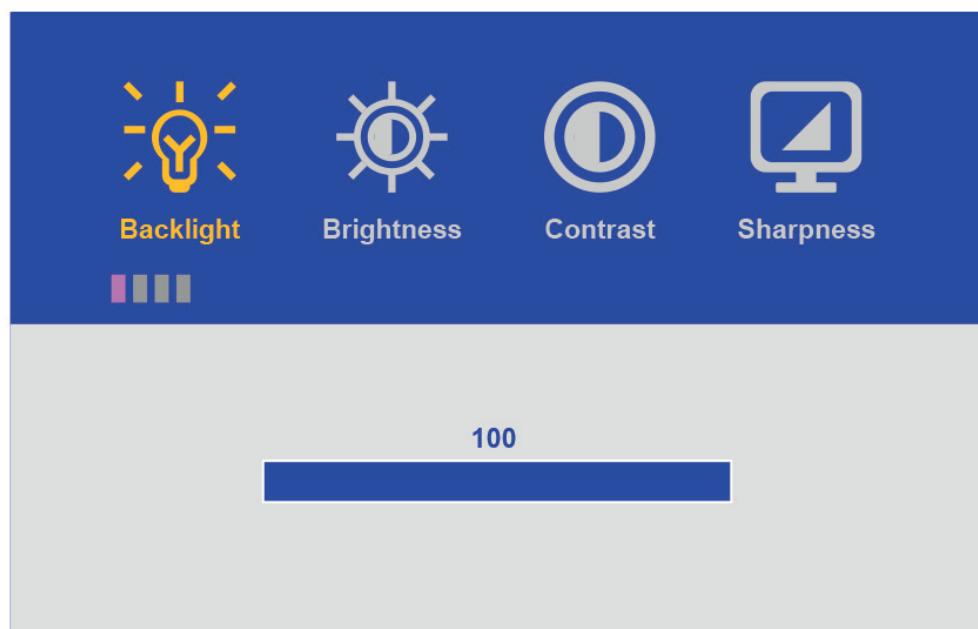
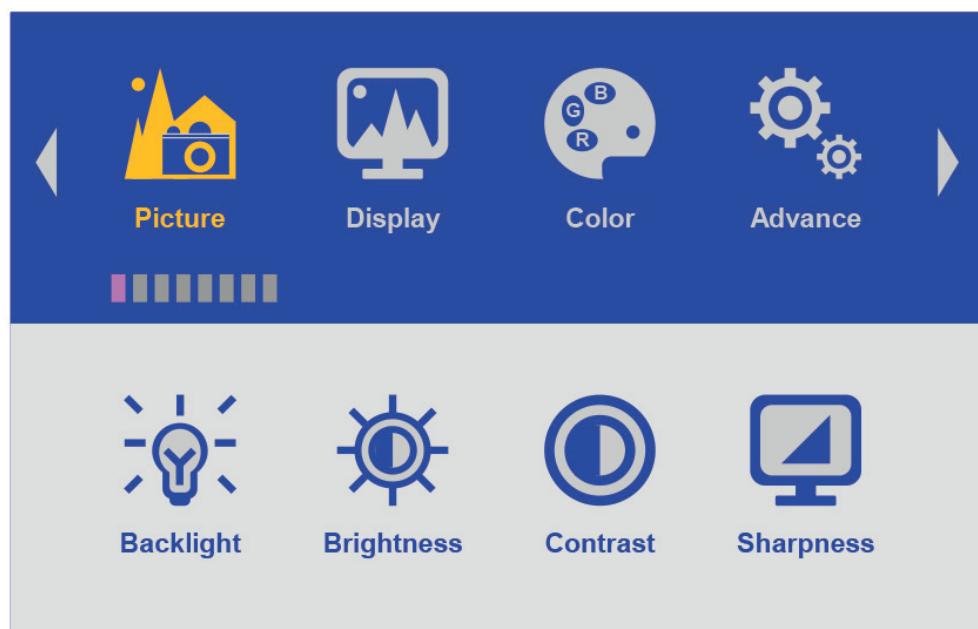


ITALIANO

2.2 MENU OSD PER MODIFICA DELLE IMMAGINI E DELLE IMPOSTAZIONI

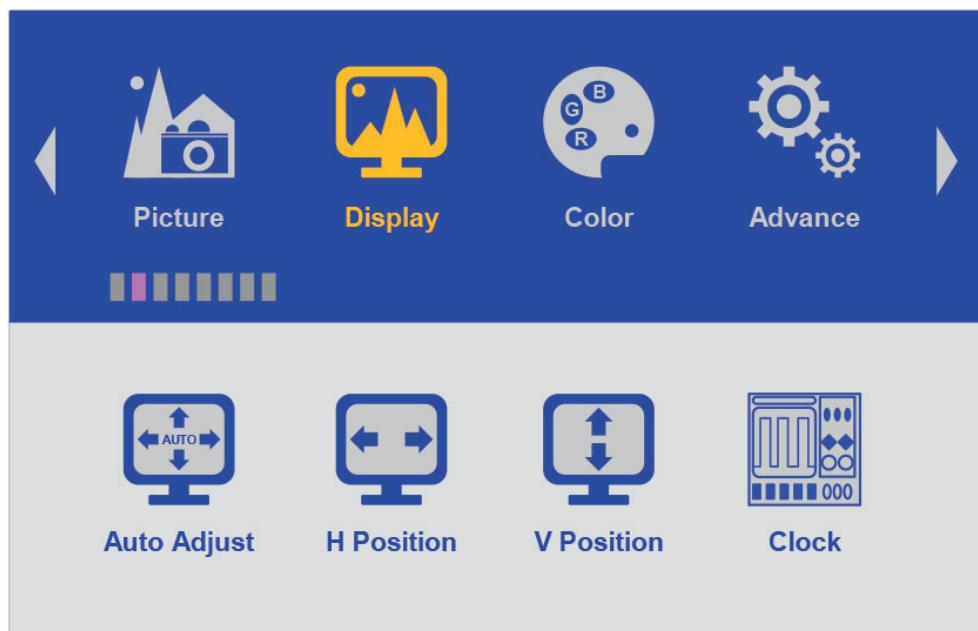
Nella sezione "Picture" è possibile regolare i valori dell'immagine:

- Backlight: regola l'intensità della retroilluminazione.
- Brightness: regola la luminosità dell'immagine.
- Contrast: regola il contrasto dell'immagine.
- Sharpness: regola la nitidezza dell'immagine.

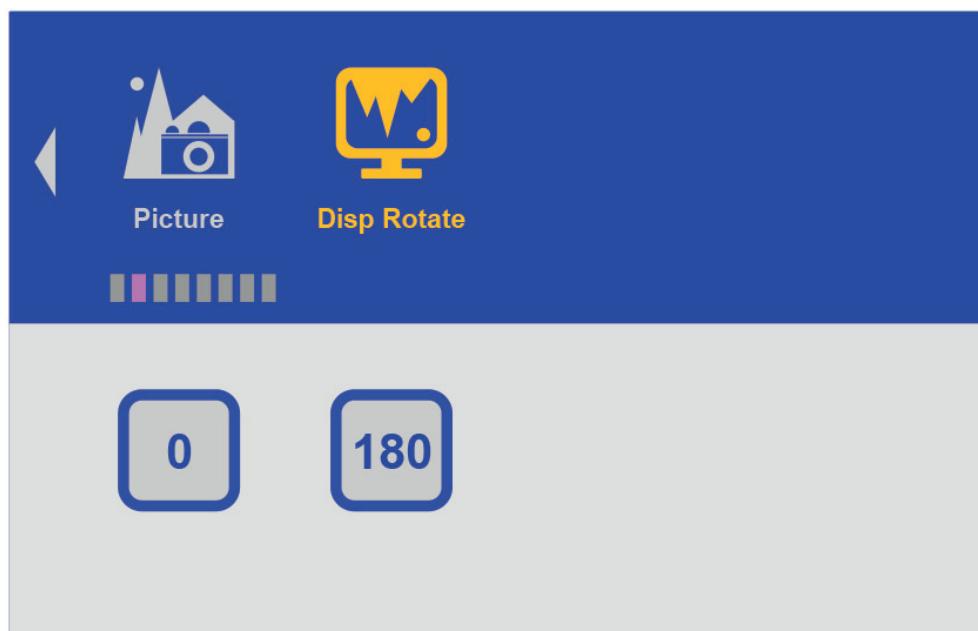


Nella sezione "Display" è possibile regolare la posizione dell'immagine:

- Auto Adjust: regola automaticamente la posizione dell'immagine.
- H Position: regola la posizione orizzontale dell'immagine.
- V Position: regola la posizione verticale dell'immagine.
- Clock: regola la frequenza di clock dell'immagine.

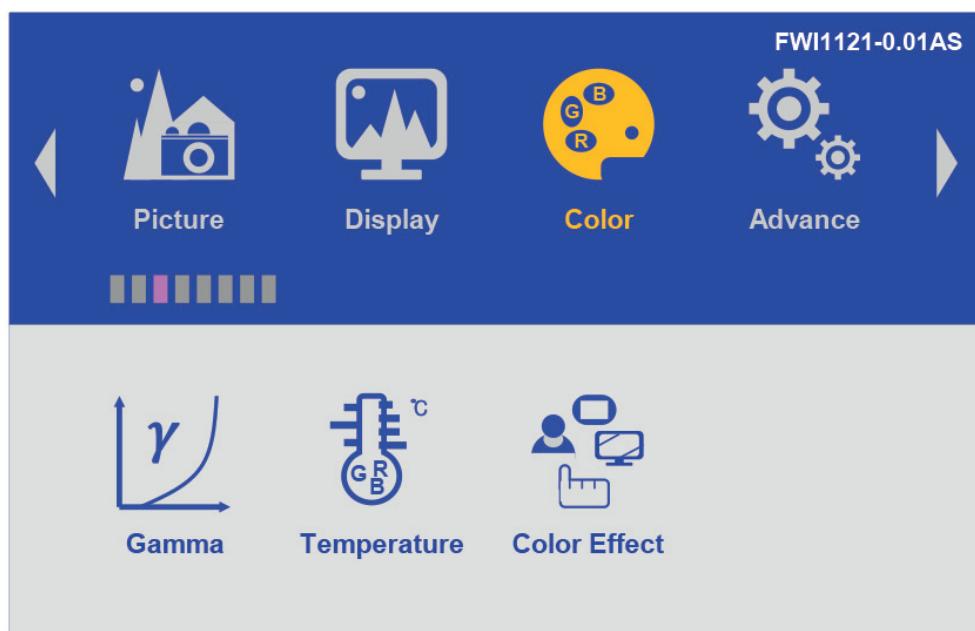


Nella sezione Disp Rotate è possibile regolare la rotazione dell'immagine.



Nella sezione Color è possibile regolare i colori dell'immagine:

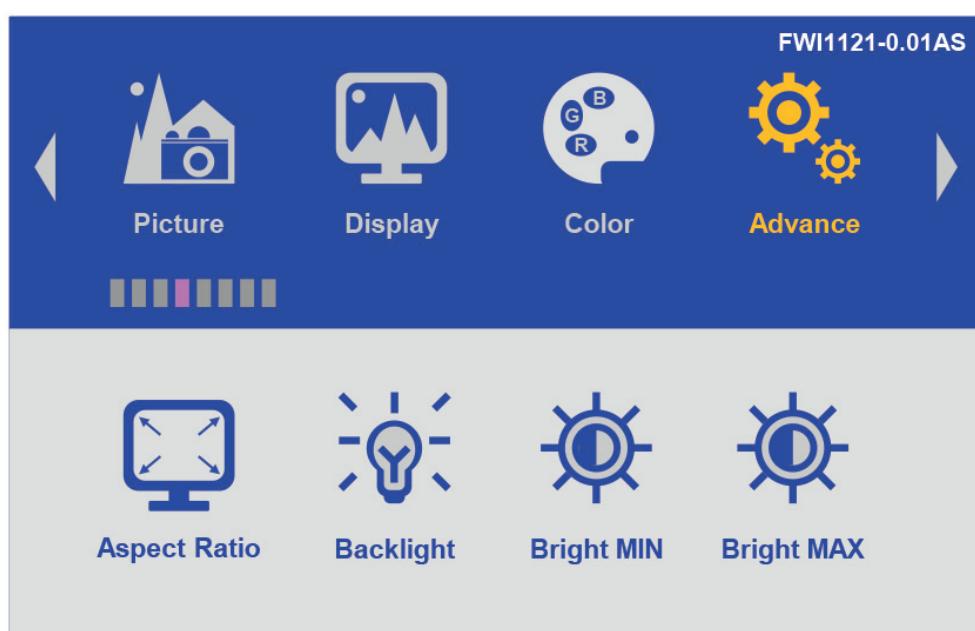
- Gamma: regola la gamma cromatica.
- Temperature: regola la temperatura colore.
- Color Effect: è possibile scegliere tra regolazioni colore predefinite.



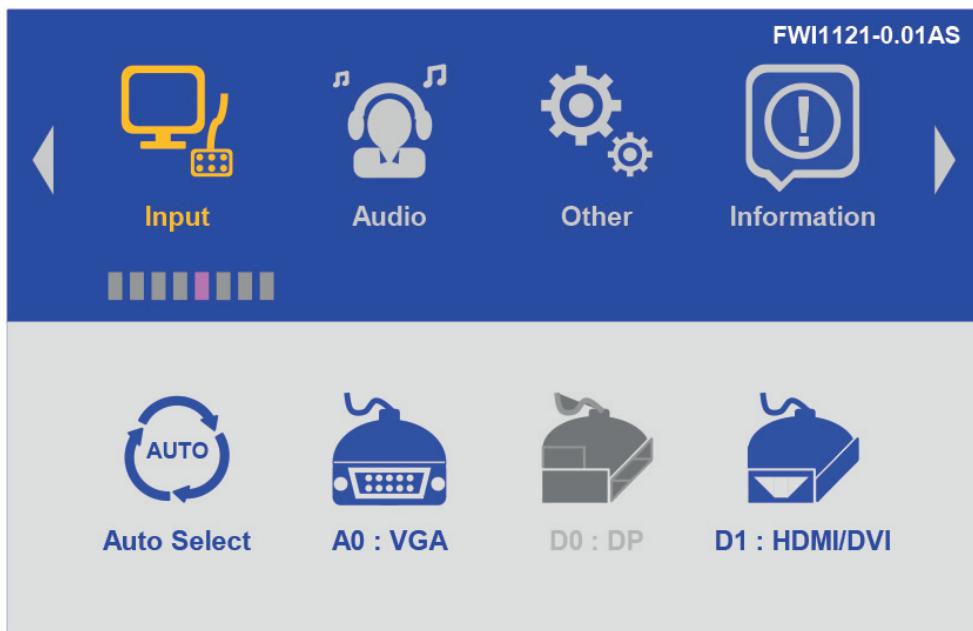
Nella sezione Advance è possibile regolare le impostazioni avanzate di:

Aspect Ratio:

- Backlight (LS Step): menu impostazioni con light sensor (optional)
- Bright MIN: Impostazione limite luminosità minima.
- Bright MAX: Impostazione limite luminosità massima.

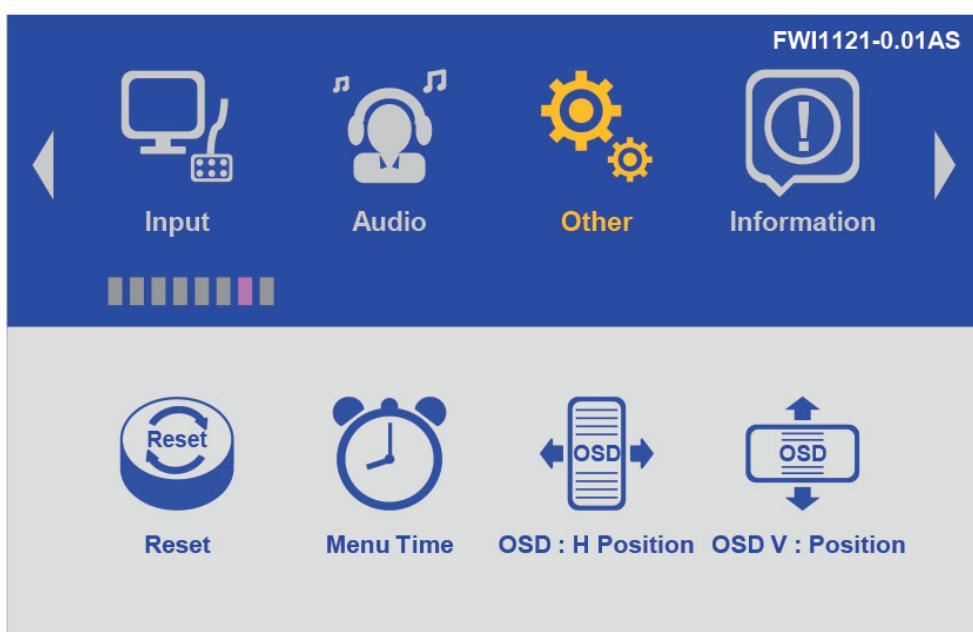


Nella sezione Input è possibile impostare l'autoselezione degli ingressi (selezione automatica), o la selezione manuale dei vari ingressi disponibili (es. VGA, DVI)

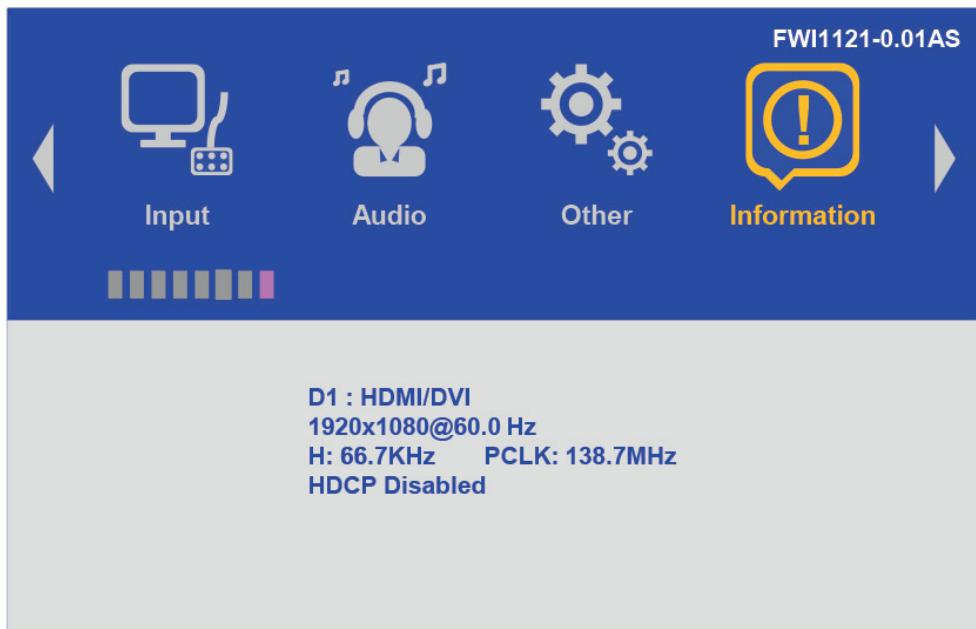


Nella sezione Other è possibile:

- Reset: ripristina le impostazioni di fabbrica
- Menu Time: visualizza il tempo in cui l'OSD rimane attivo.
- OSD - H Position: regola la posizione orizzontale del menu OSD.
- OSD - V Position: regola la posizione verticale del menu OSD.



Nella sezione Informations è possibile visualizzare le informazioni sul segnale video applicato, il tipo di ingresso etc.



3 PINOUT CONNETTORI VIDEO



ALIMENTAZIONE
(versione 12Vdc)



DVI-D Input

VGA Input

VGA CONNECTOR:

Pin No.	Description	Pin No.	Type	Description
1	Analog Red	9	VGA 5Vdc	+ 5Vdc
2	Analog Green	10	SGND	Sync GND
3	Analog Blue	11	NC	No Connection
4	No Connection	12	SDA	DDC Serial data
5	GND	13	H SYNC	Horizontal sync
6	Red return	14	V SYNC	Vertical sync
7	Green return	15	SCL	DDC Data clock
8	Blue return			

DVI-D CONNECTOR:

Pin No.	Type	Pin No.	Type	Pin No.	Type
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4shield	11	T.M.D.S. Data1/3 shield	19	T.M.D.S. Data0/5 shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+ 5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	GND (5V, H-Sync, V-Sync)	23	T.M.D.S. Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S. Clock-

SERIAL PORT CONNECTOR:

Pin No.	Type
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND
6	RTS, Request to send
7	CTS, Clear to send
8	RI, Ring indicator

3.1 VERSIONI IP65 E IP67

VERSIONE IP65

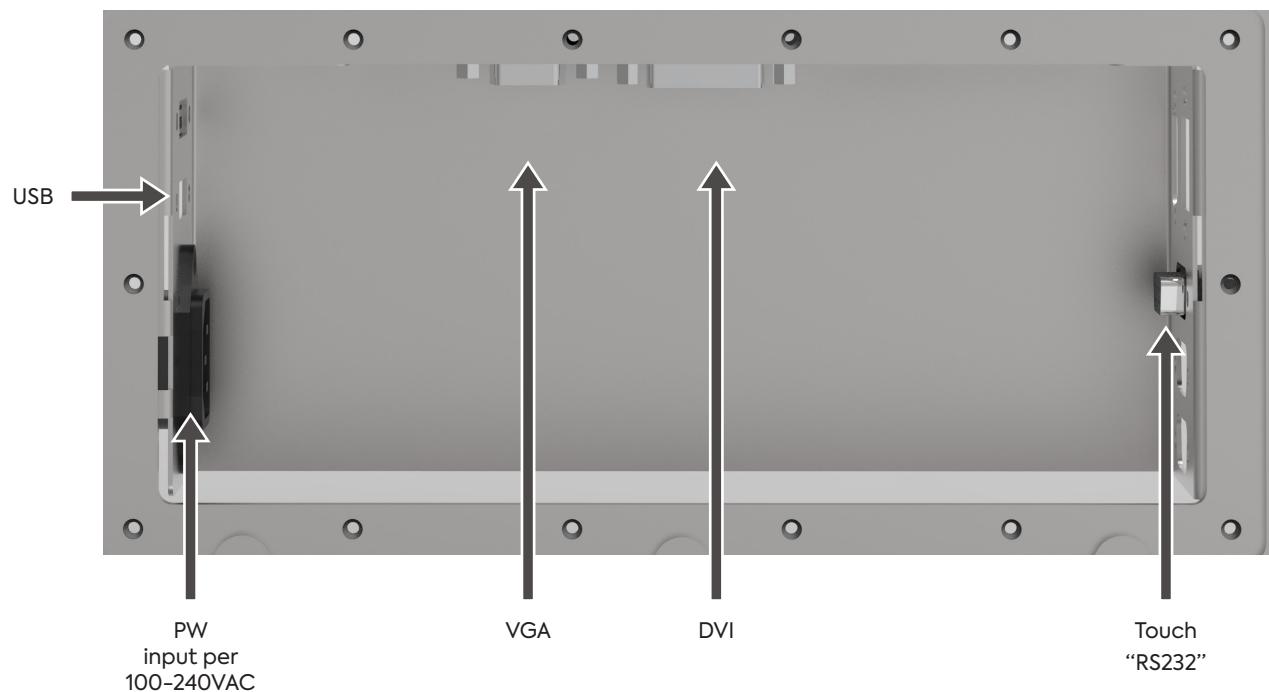


VERSIONE IP67

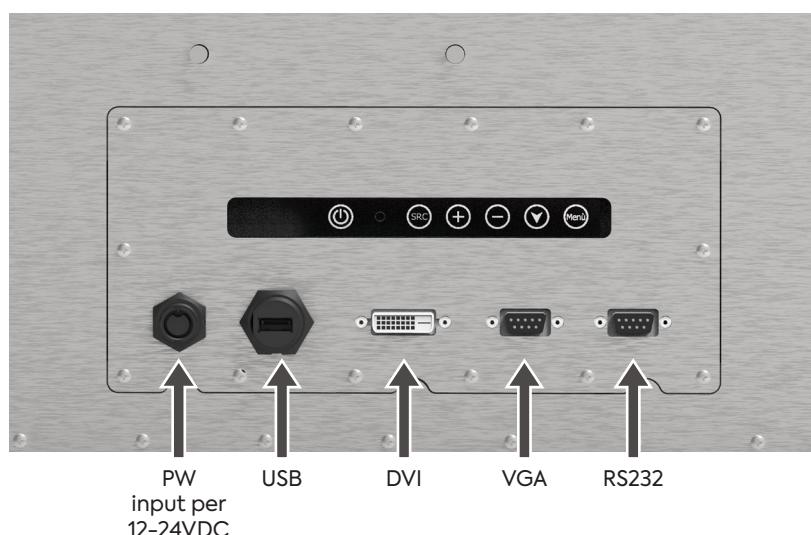


3.2 CONNESSIONI IP65 E IP67

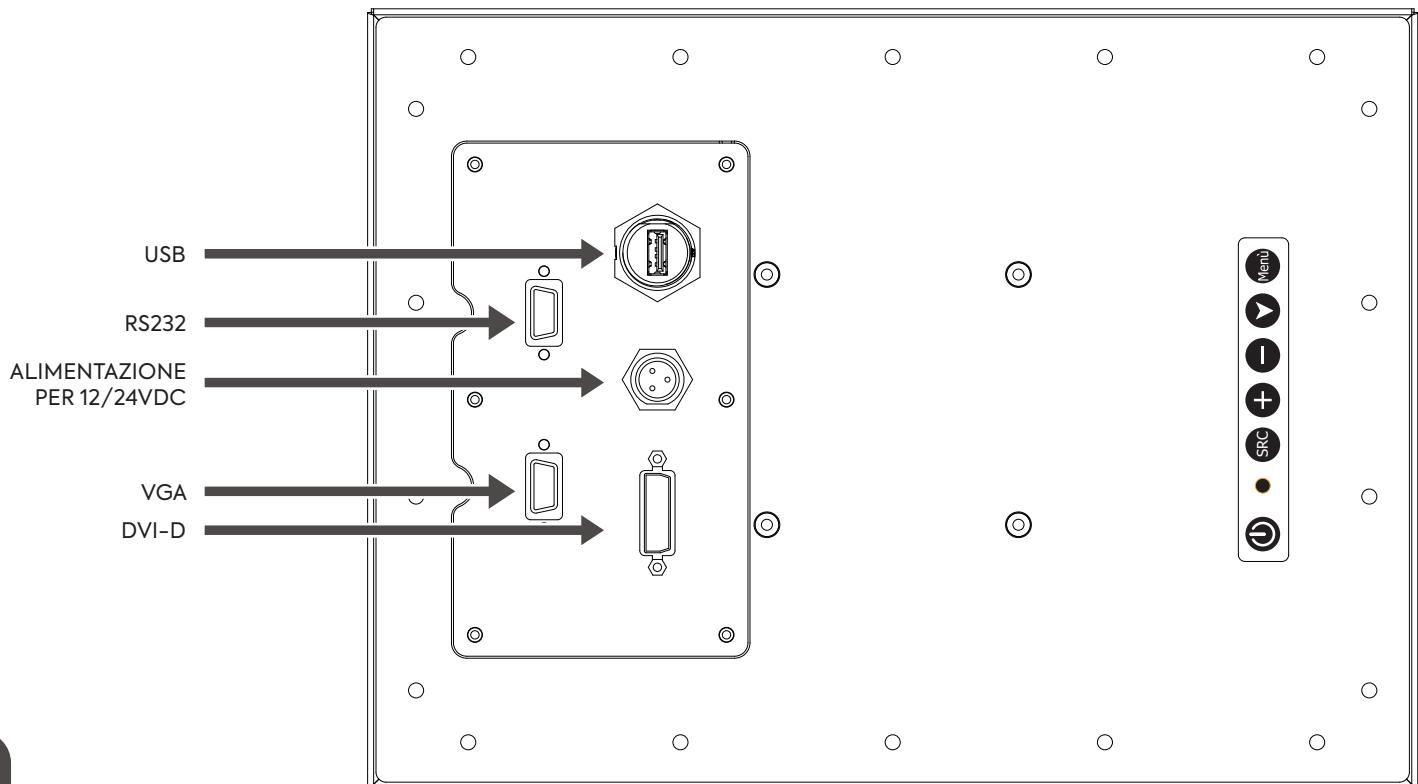
3.2.1 CONNESSIONI IP65



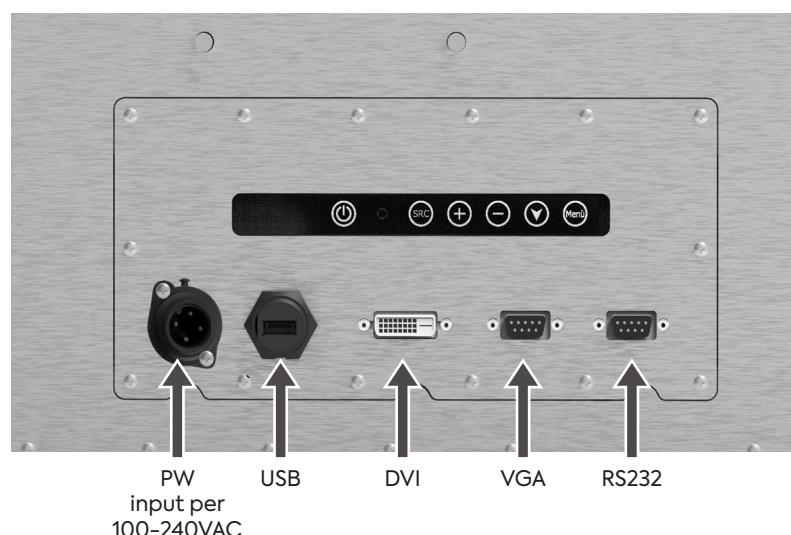
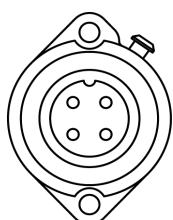
3.2.2 CONNESSIONI PER 12VDC/24VDC IP67



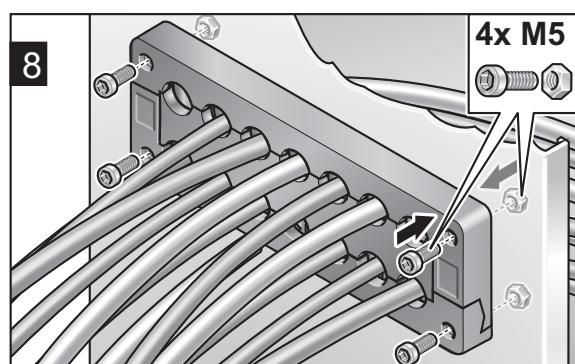
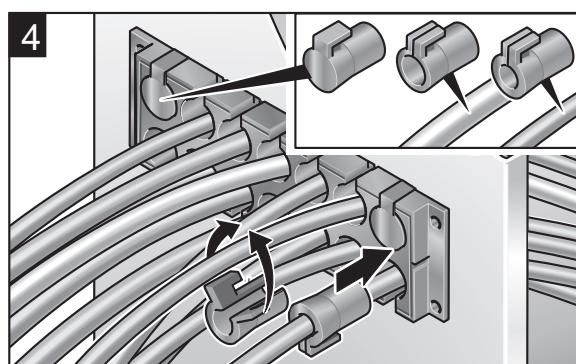
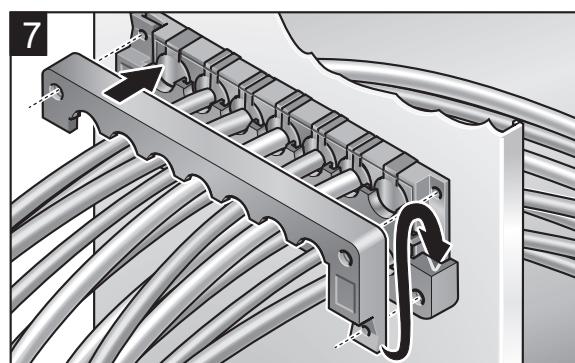
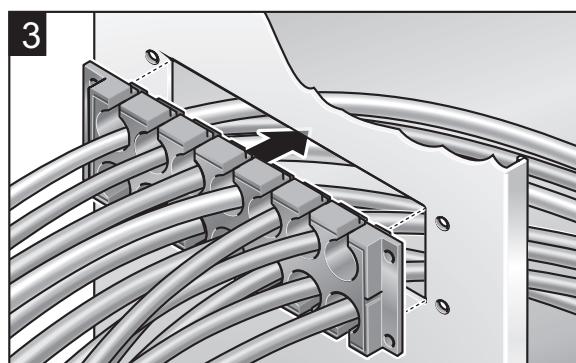
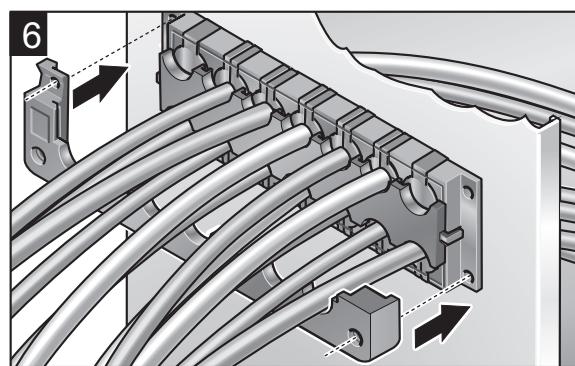
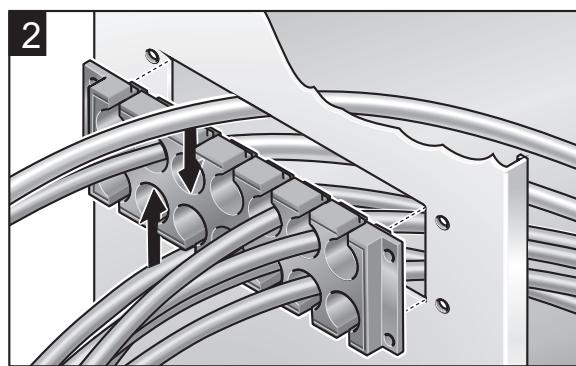
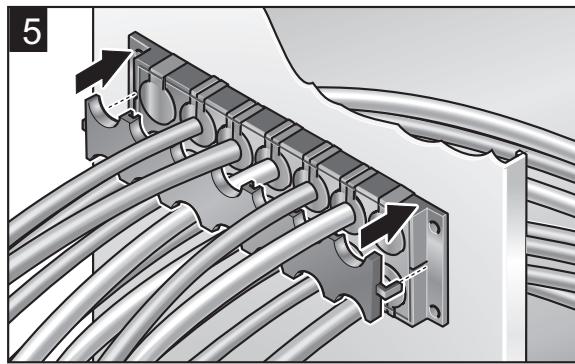
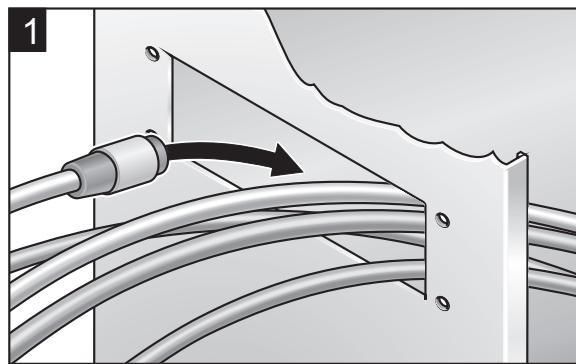
3.2.3 CONNESSIONI IP67 12-24 VDC PER 10.1"



3.2.4 CONNESSIONE PER 100-240VAC IP67



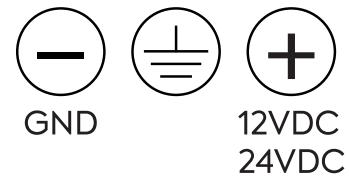
3.2.5 POSIZIONAMENTO CAVI IN INGRESSO IP65



ITALIANO

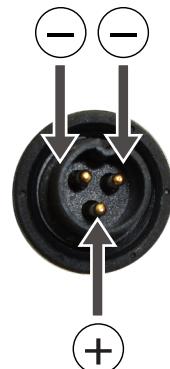
4 CONNETTORI DI ALIMENTAZIONE

4.1 CONNETTORE ALIMENTAZIONE 12VDC/24VDC PER IP65



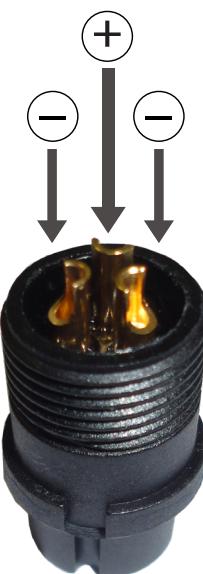
4.2 ACCESSORI CONNESSIONE DI ALIMENTAZIONE

4.2.1 ALIMENTATORE PER 12VDC IP67

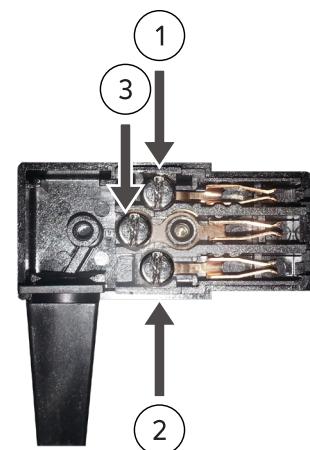


4.2.2 CONNETTORE PER 12-24 VDC PER IP67

COLLEGAMENTO
CAVI SUL
CONNETTORE



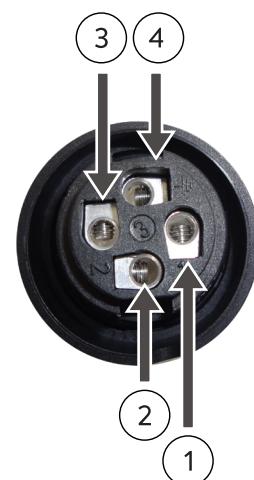
4.2.3 CONNETTORE ALIMENTAZIONE A 100-240VAC PER IP65



INDICAZIONE DELLE CONNESSIONI ALIMENTAZIONE

Pin No.	Tipo
1	L
2	N
3	$\underline{\underline{L}}$

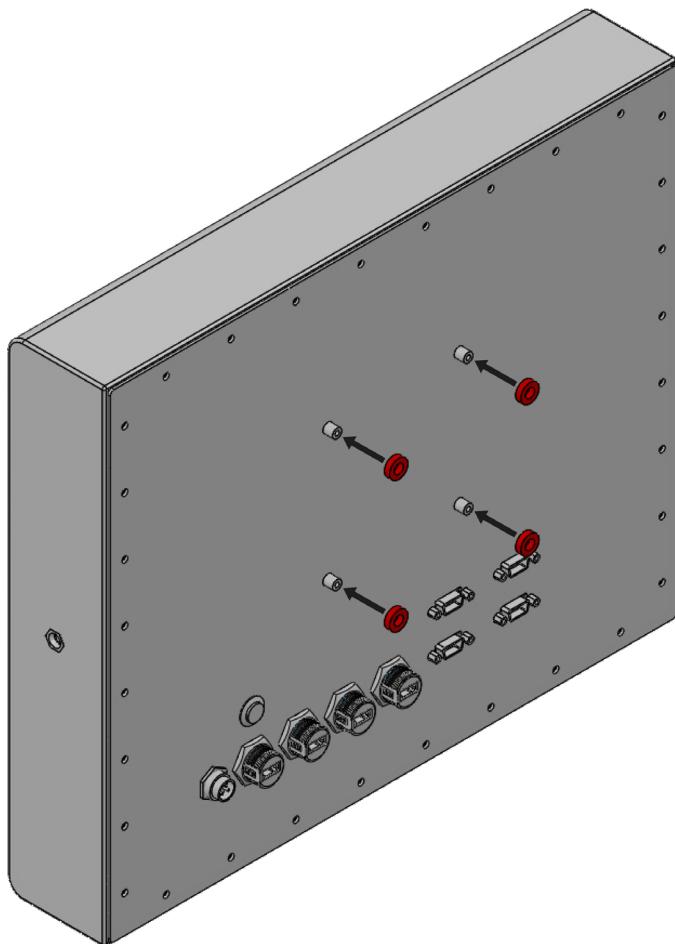
4.2.4 CAVO DI ALIMENTAZIONE PER 100-240VAC PER IP67



INDICAZIONE DELLE CONNESSIONI ALIMENTAZIONE

Pin No.	Tipo
1	L
2	N
3	n.c.
4	$\underline{\underline{L}}$

5 SUPPORTO DI MONTAGGIO VESA



VERSIONE	VESA
10"	VESA M4 - 100x100
15"	VESA M4 - 75x75
17"	VESA M4 - 100x100
19"	VESA M4 - 100x100
24"	VESA M4 - 100x100 VESA M4 - 200x200

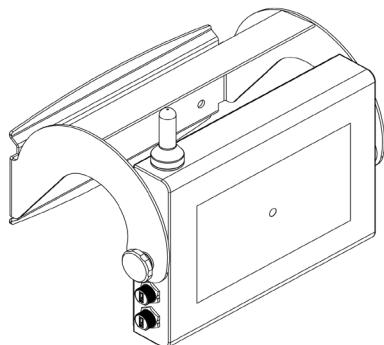
All'atto dello smaltimento del prodotto è necessario separare le parti elettriche ed elettroniche dalla componentistica metallica. Questi materiali devono essere smaltiti seguendo le vigenti normative sullo smaltimento dei rifiuti. In particolare la normativa RAEE prevede lo smaltimento delle componenti elettriche ed elettroniche attraverso aziende specializzate nel trattamento dei suddetti rifiuti.

7 ACCESSORI

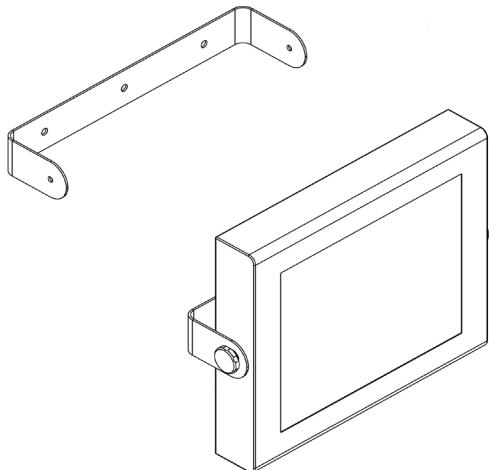
7.1 SUPPORTO A MURO

Montare adeguatamente il supporto opzionale sulla parete.

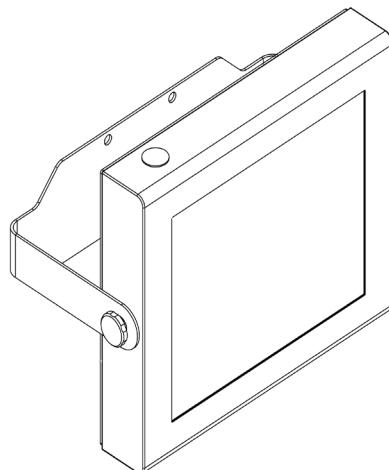
- Versione 10" peso 3.5Kg
- Versione 15" peso 1.6Kg
- Versione 17 short" peso 1.2Kg
- Versione 17" peso 2Kg
- Versione 19" peso 2.4Kg
- Versione 24" peso 5.8Kg



Per la versione 10"



Per la versione 17" corta

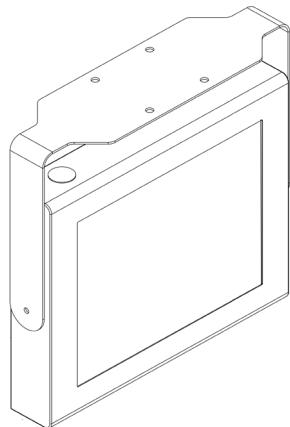


Per la versione 15", 17", 19", 24"

7.2 SUPPORTO A SOFFITTO

Montare adeguatamente il supporto opzionale sul soffitto.

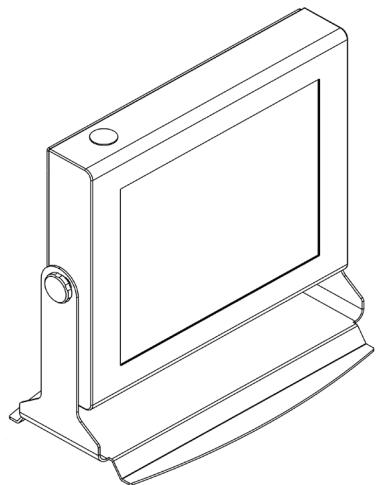
- Versione 15" peso 3.5Kg
- Versione 17" peso 4Kg
- Versione 19" peso 4.3Kg
- Versione 24" peso 5.8Kg



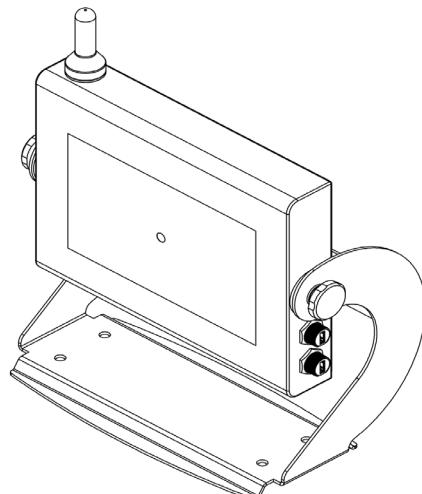
Per la versione 15",17",19",24"

7.3 SUPPORTO DA TAVOLO

- Versione 10" peso 3.5 Kg
- Versione 15" peso 3 Kg
- Versione 17" peso 3.7 Kg
- Versione 19" peso 4.5 Kg



Per la versione 15",17",19",



Per la versione 10"

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1 ALLGEMEINE BESCHREIBUNG

1.1 EINFÜHRUNG

Die Taurus LCD-Monitore sind mit einem vollständig versiegelten Edelstahlgehäuse ausgestattet, das Schutz vor Spritzern, Stößen und Vibrationen bietet. Dieser Monitor ist ein professionelles Produkt, das eine Schnittstelle für analoge (VGA) und digitale (DVI) Signale ermöglicht. Dank dieser Eigenschaften eignet er sich für verschiedene Anwendungen wie Industrie, Lebensmittel- und Getränkeindustrie und vieles mehr.

Hauptmerkmale:

- Verwaltung von Grafiksignalen mit getrennten Synchronisationen (H-V), Komposit-Synchronisationen (HVS);
- Automatische Erkennung des Eingangssignals;
- "Auto-Adjustment"-Funktion, die das Video an den Bildschirm anpasst;
- "Energieeinsparung"-Funktion, die den Monitor bei fehlendem Signal ausschaltet;
- 100-240Vac Stromversorgung (auf Anfrage 12Vdc und 19-36Vdc);
- Steuerung der Funktionen über Tasten am Monitor;
- Vorbereitung für Touchscreen (optional).

1.2 HINWEISE

Die Angaben in diesem Handbuch sind keine vertragliche Verpflichtung. Die allgemeinen Garantiebedingungen werden durch geltende Gesetze bestimmt. Die normalerweise angebotene Garantie bezieht sich auf Fehlfunktionen des Produkts und deckt keine Schäden ab, die durch unsachgemäße Verwendung und Manipulation verursacht wurden. Alle Rechte vorbehalten. Jede Reproduktion oder Übersetzung dieses Handbuchs ist ohne Genehmigung verboten.

1.3 WARNUNGEN

1.3.1 SYMBOLE UND KONVENTIONEN

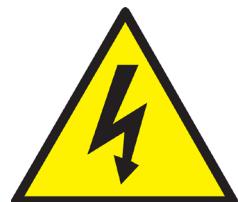


Dieses Symbol warnt den Benutzer vor der Gefahr von Sachschäden oder Datenverlust, wenn die Anweisungen nicht beachtet werden.



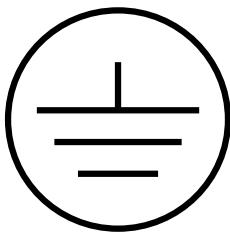
Dieses Symbol warnt den Benutzer vor einer Gefahr, die dadurch entstehen kann schwere Verletzungen oder Tod, wenn die Vorschriften nicht eingehalten werden.

1.3.2 SICHERHEIT



Bitte lesen Sie die Sicherheitshinweise sorgfältig durch. Bewahren Sie dieses Handbuch für zukünftige Referenzen auf und beachten Sie alle auf dem Produkt angegebenen Vorsichtsmaßnahmen und Warnhinweise:

- Gefahr eines elektrischen Schlags: Verwenden Sie den PC nicht mit seiner hinteren Abdeckung entfernt, es gibt gefährliche Spannungen im Inneren.
- Öffnen Sie das Gerät niemals. Aus Sicherheitsgründen ist nur qualifiziertes Personal, das das Gerät kennt, dazu berechtigt.
- Trennen Sie das Gerät vor der Reinigung von jeder Steckdose.



- Vor dem Anschließen der Stromversorgung stellen Sie sicher, dass die Steckdose, an die Sie anschließen werden, gemäß den geltenden Vorschriften ordnungsgemäß geerdet ist. Die Stromversorgungssteckdose sollte auch so nah wie möglich an der Ausrüstung sein und leicht abnehmbar sein.
- Stellen Sie während der Installation die Ausrüstung auf eine stabile Oberfläche. Fallenlassen oder fallenlassen kann zu Schäden an Personen und Gegenständen führen.
- Stellen Sie sicher, dass die Stromversorgungsspannung korrekt ist, bevor Sie die Ausrüstung an die Steckdose anschließen.
- Wenn das Produkt für längere Zeit nicht verwendet wird, trennen Sie es bitte ab, um Schäden zu vermeiden.

Bewahren Sie es entsprechend bei vorgeschriebener Temperatur und Luftfeuchtigkeit gemäß diesem Handbuch auf. Lassen Sie das Produkt von qualifiziertem technischem Personal überprüfen in den folgenden Fällen:

- Wenn Flüssigkeit in das Produkt eingedrungen ist.
- Wenn das Produkt nicht gut funktioniert oder nicht eingeschaltet wird.
- Wenn das Produkt beschädigt oder offensichtlich gebrochen ist.

Dieses Handbuch, das der Produktverpackung beiliegt, enthält alle Anweisungen für eine ordnungsgemäße Installation und Wartung.

1.4 CE-REGULIERUNG

Unsere Produkte sind in Übereinstimmung mit den Elektrosicherheitsvorschriften der europäischen Richtlinie 2014/35/EU - LVD (Essential Health and Safety Requirement of the Low-Voltage Directive) und der elektromagnetischen Verträglichkeit der europäischen Richtlinie 2014/30/EU - EMC (Elektromagnetische Verträglichkeitsrichtlinie) für das CE-Kennzeichen ausgelegt, bezüglich der Standards:

- CEI EN 60950-1 Elektrosicherheit
- CEI EN 55X024 – CEI EN 55022 Elektromagnetische Verträglichkeit

1.5 PRODUKTETIKETT

Alle Produkte sind mit einem Herstellungsetikett versehen, das die folgenden Elemente identifiziert:

- Herstellermarkierung;
- Produktionsdatum;
- Produktbeschreibung;
- Produktmodell;
- Seriennummer.

1.6 HAFTUNGSAUSSCHLUSS-ERKLÄRUNG

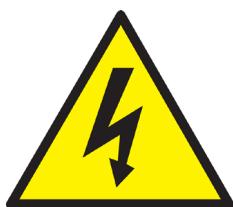
Eventuelle Aktualisierungen des Produkts können Änderungen an diesem Handbuch zur Folge haben. Der Hersteller behält sich das Recht vor, das Handbuch ganz oder teilweise ohne Vorankündigung zu ändern. Der Hersteller übernimmt auch keine Verantwortung für Schäden an Personen oder Sachen in den folgenden Fällen:

- Unangemessene Verwendung des Produkts und seiner Zubehörteile;
- Falsche Montage und Installation;
- Nicht autorisierte Änderungen oder Eingriffe;
- Verwendung von nicht originalen Ersatzteilen;
- Nichteinhaltung der Vorschriften dieses Handbuchs.

Bewahren Sie das Handbuch an einem trockenen und geschützten Ort auf und halten Sie es für zukünftige Konsultationen bereit. Das Handbuch sollte während der gesamten Lebensdauer des Produkts aufbewahrt werden. Bei Verlust oder Beschädigung fordern Sie direkt beim Hersteller ein neues an.

1.6.1 WARTUNG UND GARANTIE

Das Produkt, das Gegenstand dieses Handbuchs ist, erfordert keine Wartung durch den Benutzer, außer der normalen Reinigung des Bildschirms, die mit einem speziellen nicht aggressiven und alkoholfreien Produkt auf einem weichen Tuch durchgeführt werden sollte. Für die Reparatur des Produkts ist es erforderlich, den Hersteller zu kontaktieren.



Öffnen Sie niemals das Gerät.
Aus Sicherheitsgründen nur persönlich
Ein qualifizierter Servicetechniker sollte das Gerät öffnen.



Die normale Reinigung des Bildschirms, die durchgeführt werden soll Verwendung eines bestimmten nicht aggressiven Produkts und alkoholfrei, auf ein weiches Tuch gesprüht.

1.7 VERPACKUNG

Die Verpackung besteht aus einem Karton, der zwei Sicherheitsschalen umschließt, die den Schutz gewährleisten. Nehmen Sie das Produkt aus den Schutzhüllen heraus und überprüfen Sie, ob die folgenden Elemente vorhanden sind:

- LCD-TFT-Monitor;
- Dokumentation (dieses Handbuch);
- Verbindungskabel.

1.8 TECHNISCHE SPEZIFIKATIONEN

- Schutzgrad IP65 oder IP67: gemäß CEI EN 60529 Norm.
- Sicherheit im Lebensmittelbereich: gemäß VERORDNUNG (EG) Nr. 1935/2004 über Materialien und Gegenstände, die dazu bestimmt sind, mit Lebensmitteln in Berührung zu kommen und zur Aufhebung der Richtlinien 80/590/EWG und 89/109/EWG.
- Verwendetes Material für das Gehäuse: AISI304 oder AISI316 (auf Anfrage)

Netzeingang:

100 ~ 240 Vac 50/60Hz.

Maximal aufgenommene Leistung:

25W ~ 50W (abhängig von der Displaygröße).

Betriebsfrequenzbereich:

- Horizontale Frequenz: 30 – 60 kHz Multisync;
- Vertikale Frequenz: 56 – 75 Hz

VGA Videosignaleingang VGA STD:

Analoges RGB, 0,7 ~ 1VPP-Pegel auf 75 Ohm Impedanz HD15F

Angegebene Auflösungen:

- VGA/SVGA/XGA/SXGA/UXGA 75 Hz;
- Plug & Play;
- Getrennte / zusammengesetzte Synchr.;
- 0,3 ~ 5Vpp +/- Level.

Unterstützte Videosignaleingänge (optional):

- VGA Plug & Play.
- Display Port Plug & Play.
- HDMI Plug & Play.

1.8.1 BETRIEBSBEDINGUNGEN

Betriebsbedingungen:

- Temperatur: 0°C +50°C
- Luftfeuchtigkeit: 10% - 95%
- Höhe: 0 - 3000 m

Lagerbedingungen:

- Temperatur: -10°C +55°C
- Luftfeuchtigkeit: 5% - 95%
- Höhe: 0 - 3000 m

Transportbedingungen:

- Temperatur: -35°C +60°C
- Luftfeuchtigkeit: 5% - 95%
- Höhe: 0 - 12000 m

1.9 EINGANGSSIGNAL UNTERSTÜTZT

MODUS	AUFLÖSUNG	REFRESH RATE	H-FREQ.	PIXEL FREQ.	HINWEIS
VGA	640 x 350	70Hz	31.47KHz	25.175MHz	Standard VESA
VGA	720 x 400	59.940Hz	31.469KHz	25.175MHz	IBM VGA 3H
VGA	640 x 480	60Hz	31.5KHz	25.175MHz	Standard Industria
VGA	640 x 480	72Hz	37.9KHz	31.500MHz	Standard VESA
VGA	640 x 480	75Hz	37.5KHz	31.500MHz	Standard VESA
SVGA	800 x 600	60Hz	37.9KHz	40.000MHz	VESA linee guida
SVGA	800 x 600	72Hz	48.147KHz	50.000MHz	Standard VESA
SVGA	800 x 600	75Hz	46.9KHz	49.500MHz	Standard VESA
XGA	1024 x 768	60Hz	48.4KHz	65.000MHz	VESA linee guida
XGA	1024 x 768	70Hz	56.547KHz	75.000MHz	Standard VESA
XGA	1024 x 768	75Hz	60KHz	78.750MHz	Standard VESA
SXGA	1280 x 1024	60Hz	64KHz	108.000MHz	Standard VESA
SXGA	1280 x 1024	75Hz	80KHz	135.000MHz	Standard VESA
WXGA	1280 x 768	60~75Hz	47.7~65KHz	80.140MHz	Non Standard
WXGA	1366 x 768	60~75Hz	47.7~65KHz	80.000MHz	Non Standard
WSXGA	1440 x 900	60~75Hz	65KHz	150.000MHz	Non Standard
WSXGA	1680 x 1050	60Hz	70KHz	150.000MHz	Non Standard
WUXGA	1920 x 1080	60Hz	95KHz	190.000MHz	Non Standard

Tabelle 1

*** HINWEIS:**

Nur für die zweite Version verfügbar.

1.10 FUNKTIONSTASTEN



Menü navigation:

- "Menü / Eingabe" = Öffnet das Hauptmenü / Bestätigt das ausgewählte Menü;
- "Nach unten" (Pfeil nach unten) = Durchsucht das ausgewählte Menü nach verschiedenen Optionen;
- "–" = Wählt das Untermenü nach links aus / Verringert die Einstellung;
- "+" = Wählt das Untermenü nach rechts aus / Erhöht die Einstellung;
- "SRC / Exit" = Ändert die Quelle (RGB / DVI) / Verlässt das OSD-Menü;
- "Power" = Schaltet den Monitor ein / aus.

"On Screen Display" -Einstellungen

Um auf das Menü auf dem Bildschirm zuzugreifen, drücken Sie die "MENU" -Taste auf der Tastatur auf der Rückseite des Monitors.

2 OSD-KARTE (ON-SCREEN-DISPLAY)

2.1 OSD-MENÜZUSAMMENFASSUNG

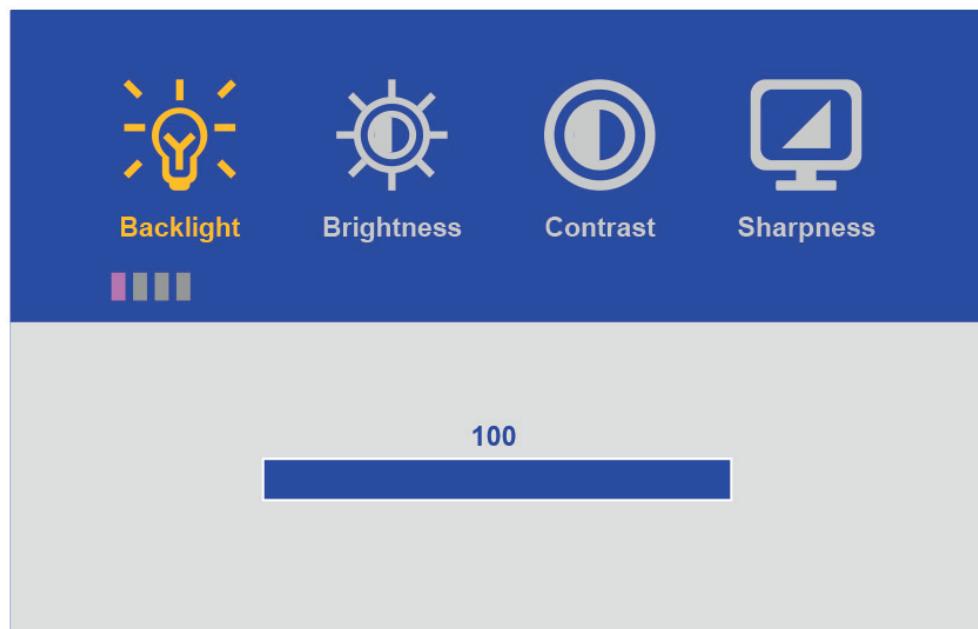
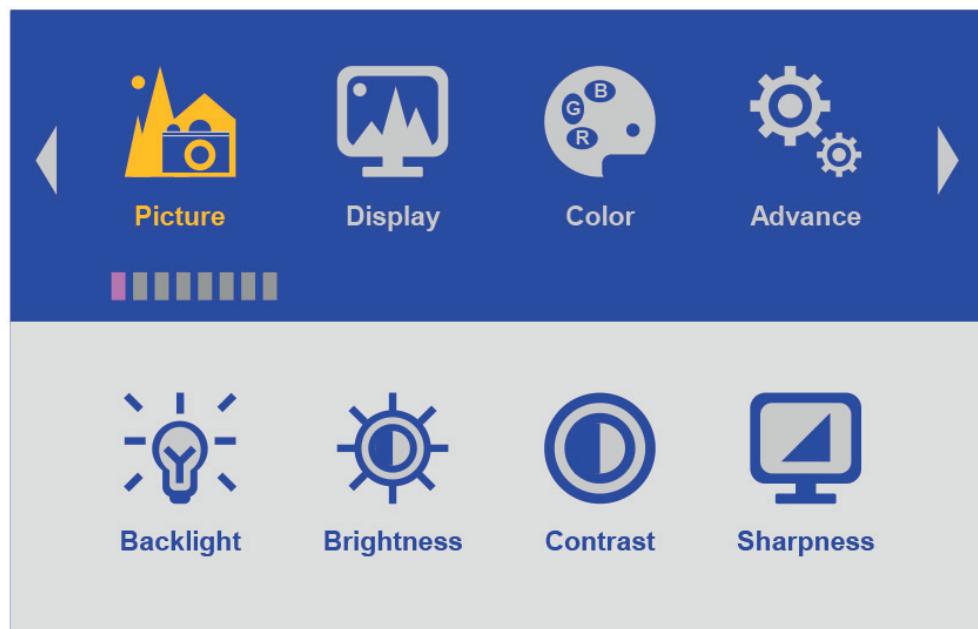


DEUTSCH

2.2 OSD-MENÜ FÜR BILD- UND EINSTELLUNGSBEARBEITUNG

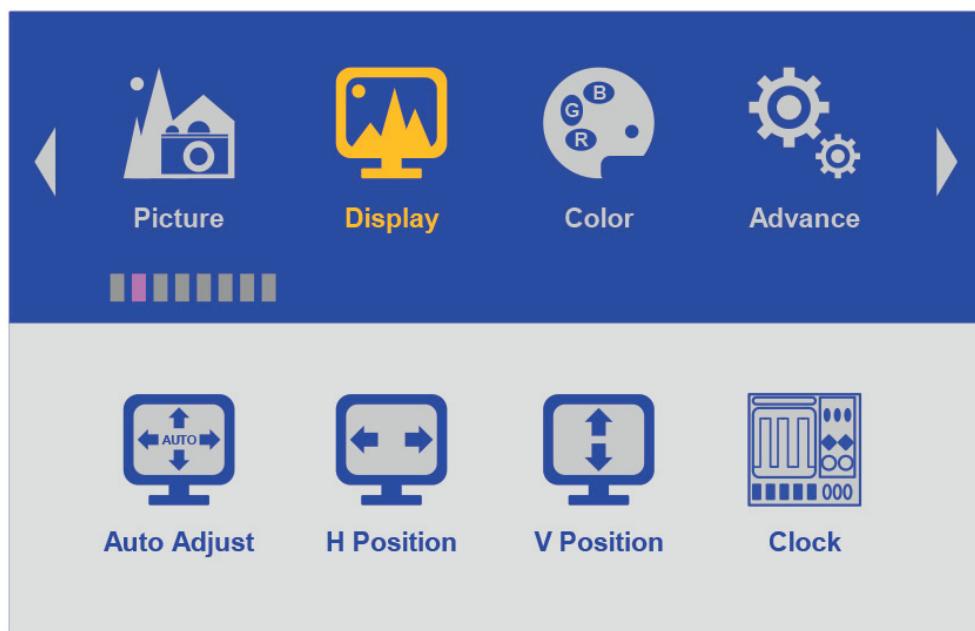
Im Abschnitt "Bild" können Sie die Bildwerte anpassen:

- Backlight: passt die Helligkeit der Hintergrundbeleuchtung an.
- Brightness: passt die Helligkeit des Bildes an.
- Contrast: passt den Kontrast des Bildes an.
- Sharpness: passt die Schärfe des Bildes an.

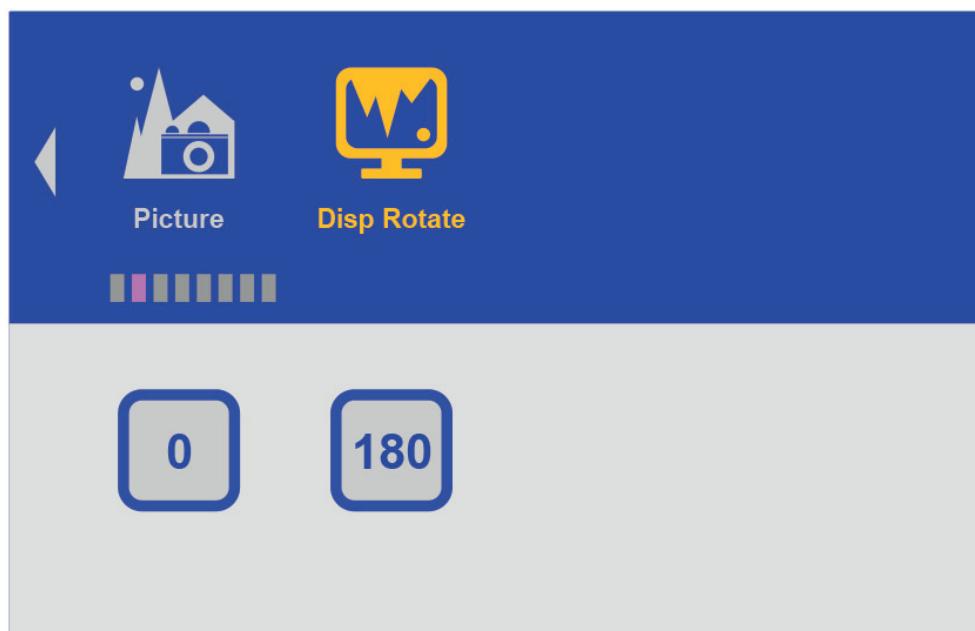


Im Abschnitt "Anzeige" können Sie die Bildposition anpassen:

- Auto Adjust: passt die Bildposition automatisch an.
- H Position: passt die horizontale Bildposition an.
- V Position: passt die vertikale Bildposition an.
- Clock: passt die Bildfrequenz an.



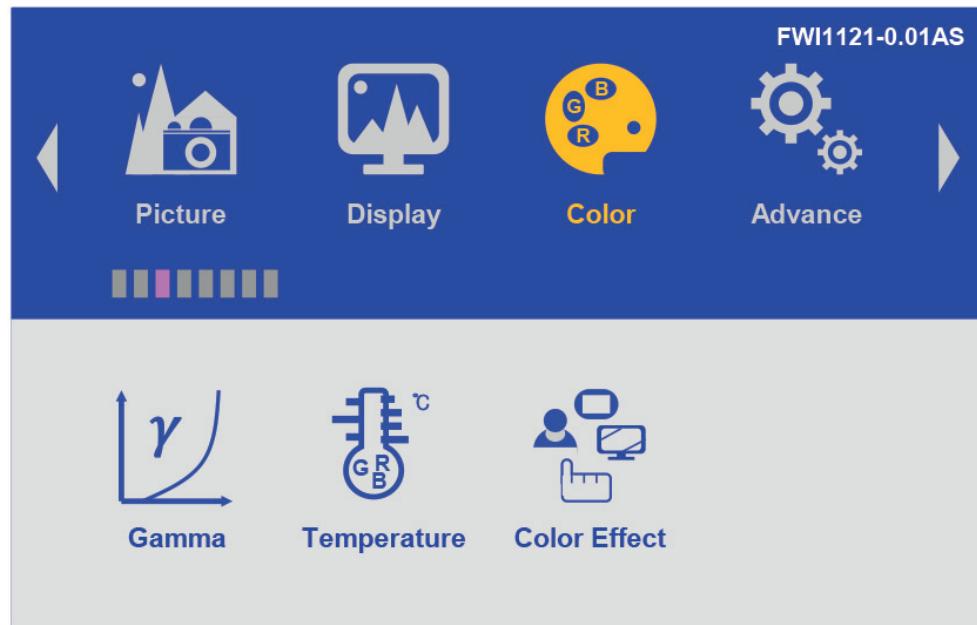
Im Abschnitt "Disp Rotate" können Sie die Bildrotation anpassen.



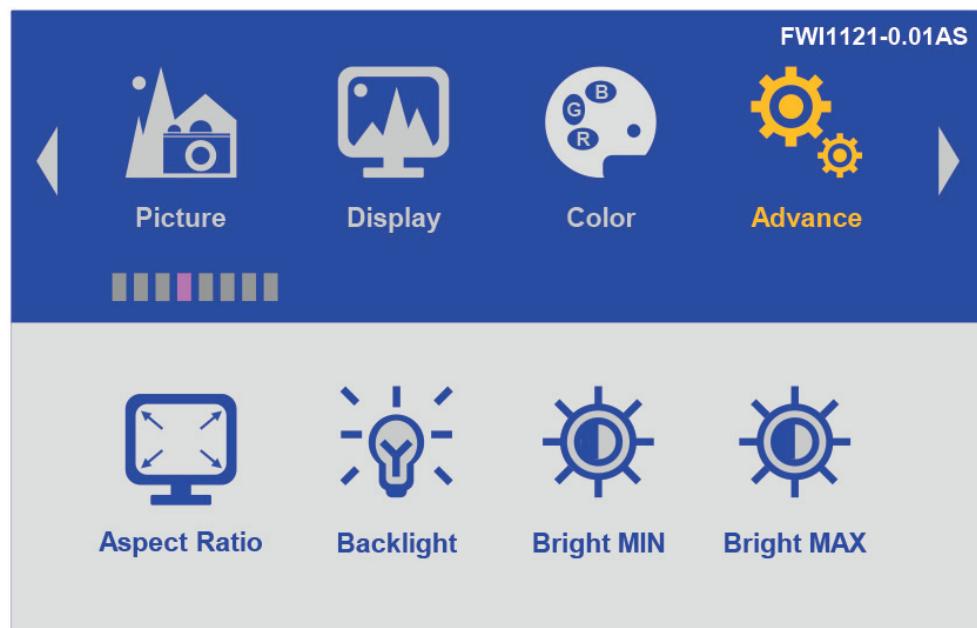
Im Abschnitt "Farbe" können Sie die Farben des Bildes anpassen:

- Gamma: passt die Farbgamma an.
- Temperature: passt die Farbtemperatur an.
- Color Effect: ermöglicht die Auswahl aus vordefinierten Farbeinstellungen.

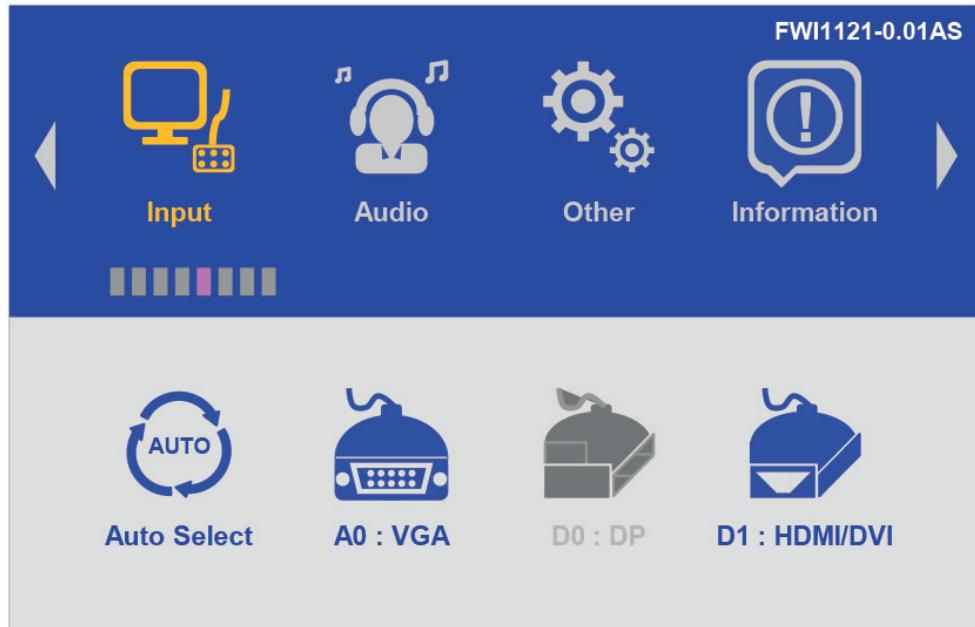
Im Abschnitt "Erweitert" können Sie erweiterte Einstellungen vornehmen für:



- Aspect Ratio:
- Backlight (LS Step): Einstellungsmenü mit Lichtsensor (optional).
- Bright MIN: legt die minimale Helligkeitsgrenze fest.
- Bright MAX: legt die maximale Helligkeitsgrenze fest.

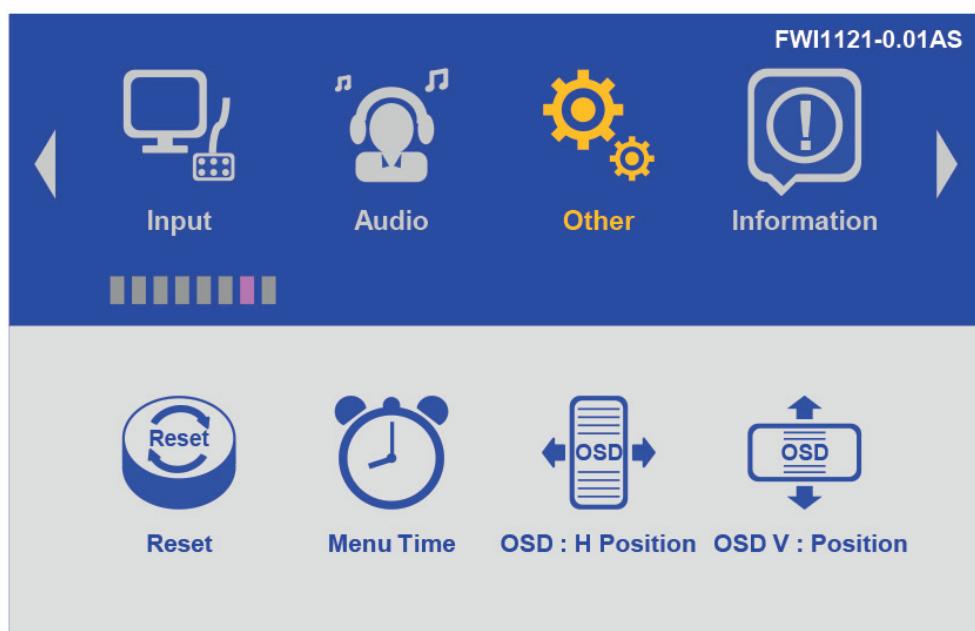


Im Abschnitt "Eingang" können Sie die Auto-Auswahl der Eingänge einstellen (automatische Auswahl) oder manuell aus verschiedenen verfügbaren Eingängen wählen (z. B. VGA, DVI).

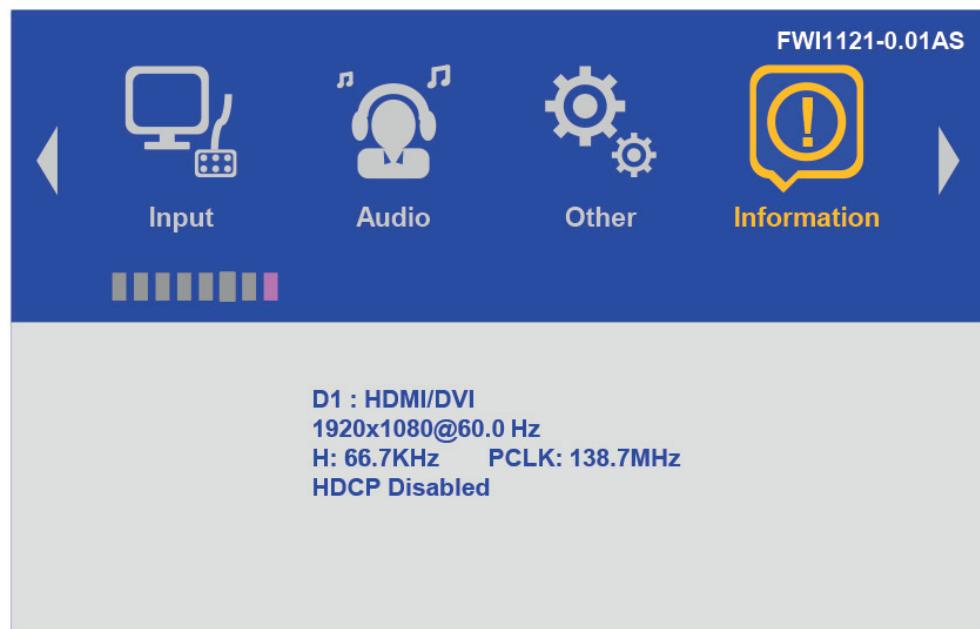


Im Abschnitt "Sonstiges" können Sie:

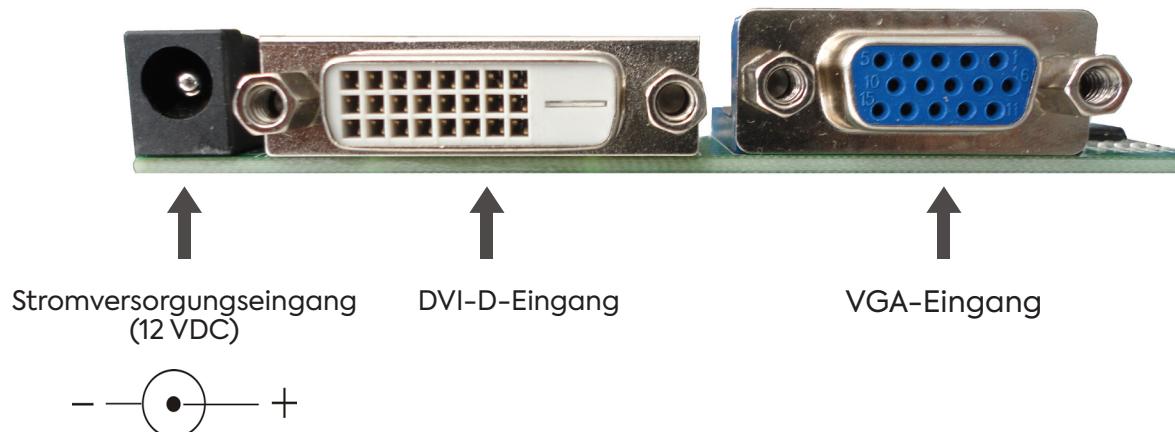
- Reset: Werkseinstellungen wiederherstellen.
- Menu Time: die Zeit anzeigen, in der das OSD aktiv bleibt.
- OSD - H Position: die horizontale Position des OSD-Menüs anpassen.
- OSD - V Position: die vertikale Position des OSD-Menüs anpassen.



Im Abschnitt "Informationen" können Sie Informationen zum angewendeten Videosignal, zum Eingangstyp usw. anzeigen.



3 VIDEOANSCHLUSSPINOUT



VGA-ANSCHLUSS:

Pin No.	Description	Pin No.	Type	Description
1	Analog Red	9	VGA 5Vdc	+ 5Vdc
2	Analog Green	10	SGND	Sync GND
3	Analog Blue	11	NC	No Connection
4	No Connection	12	SDA	DDC Serial data
5	GND	13	H SYNC	Horizontal sync
6	Red return	14	V SYNC	Vertical sync
7	Green return	15	SCL	DDC Data clock
8	Blue return			

DVI-D-ANSCHLUSS:

Pin No.	Type	Pin No.	Type	Pin No.	Type
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4shield	11	T.M.D.S. Data1/3 shield	19	T.M.D.S. Data0/5 shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+ 5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	GND (5V, H-Sync, V-Sync)	23	T.M.D.S. Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S. Clock-

SERIENPORT-ANSCHLUSS:

Pin No.	Type
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND
6	RTS, Request to send
7	CTS, Clear to send
8	RI, Ring indicator

3.1 VERSION IP65 UND IP67

VERSION IP65

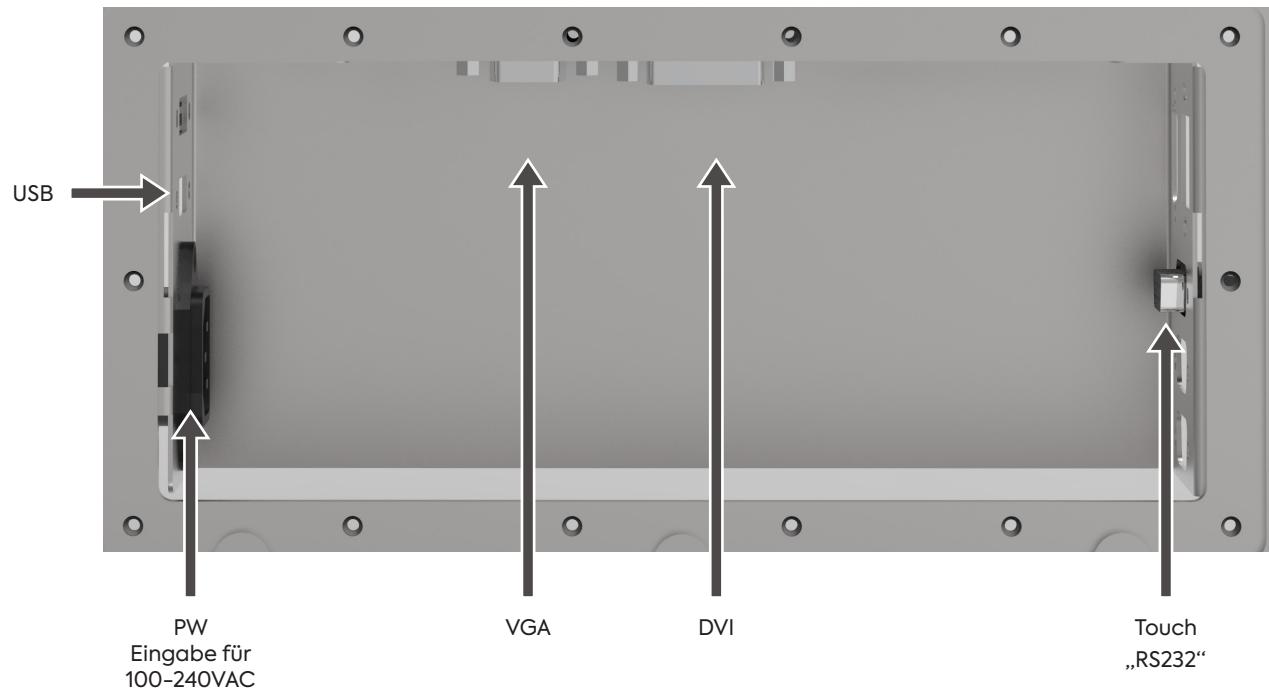


VERSION IP67

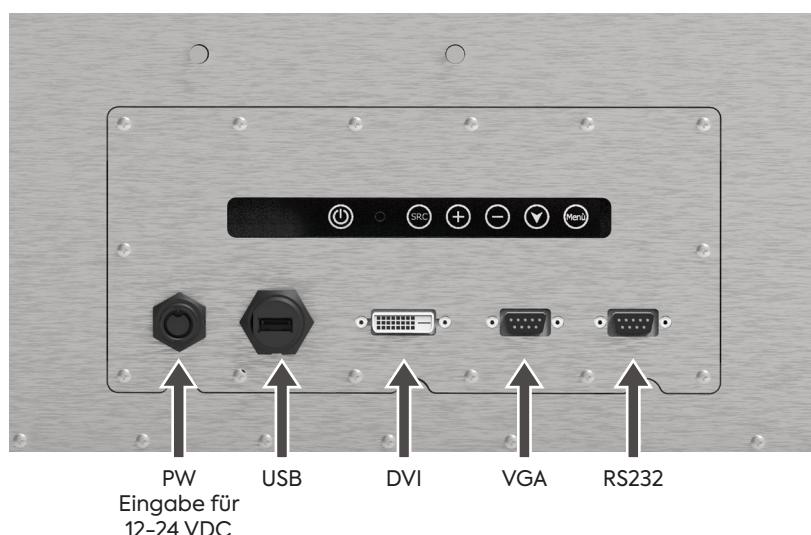
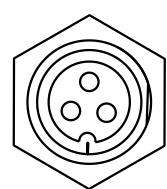


3.2 ANSCHLÜSSE IP65 UND IP67

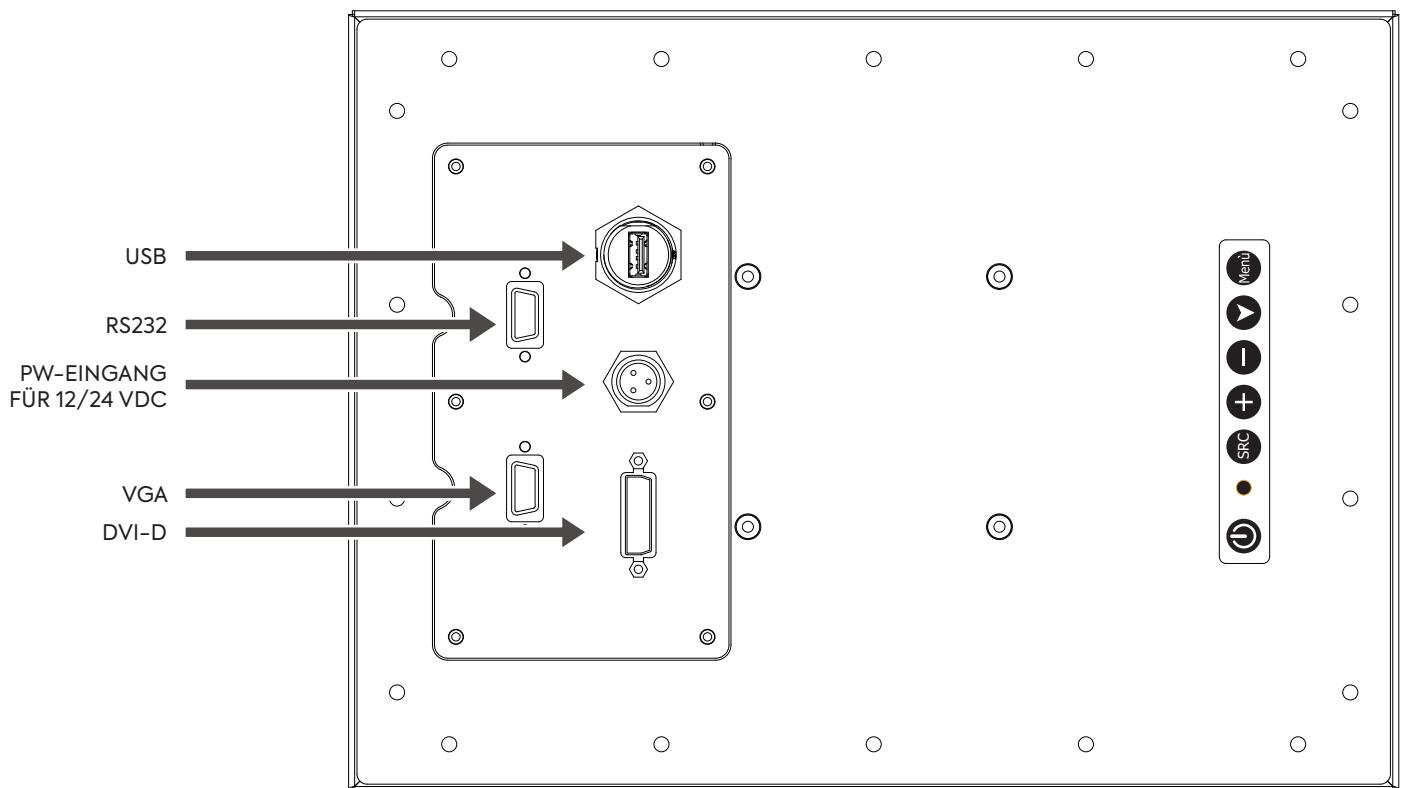
3.2.1 IP65-ANSCHLUSS



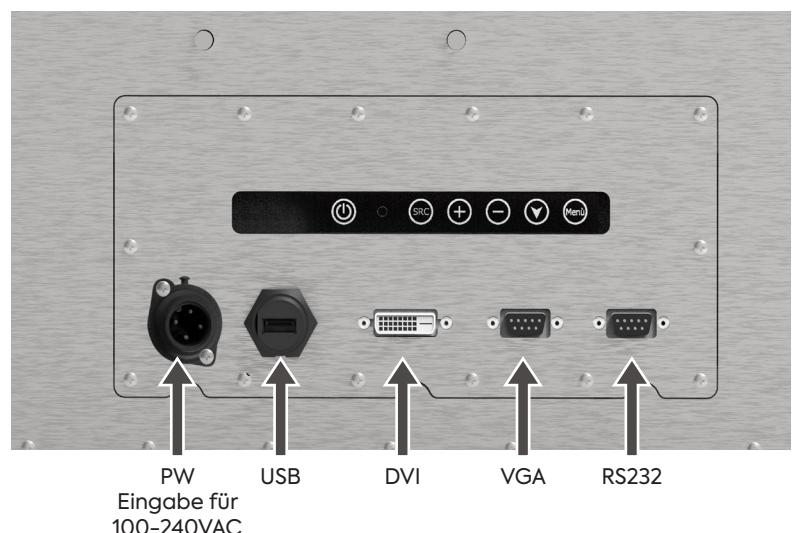
3.2.2 ANSCHLUSS FÜR 12VDC/24VDC IP67



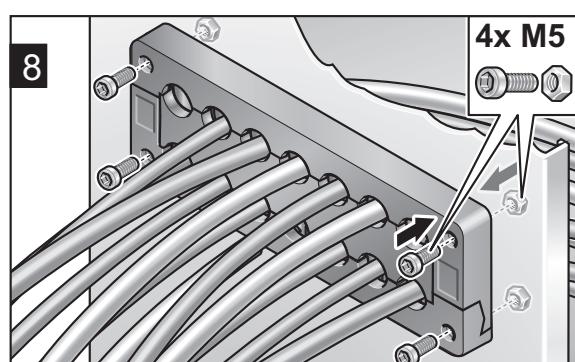
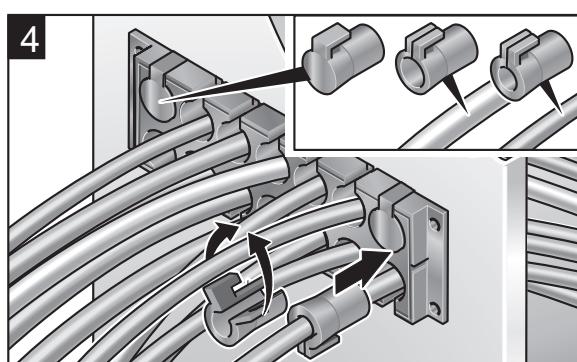
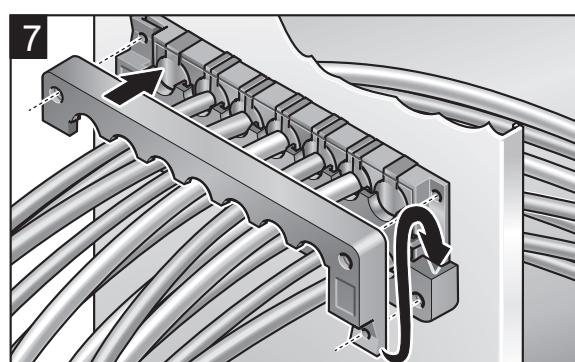
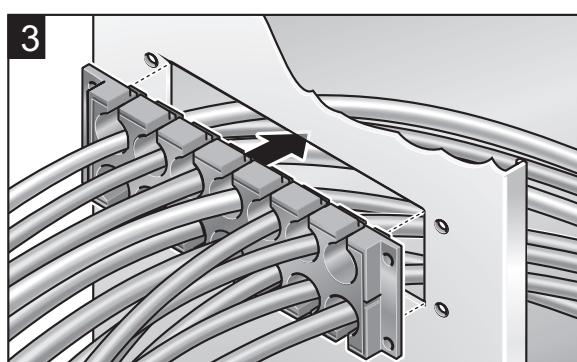
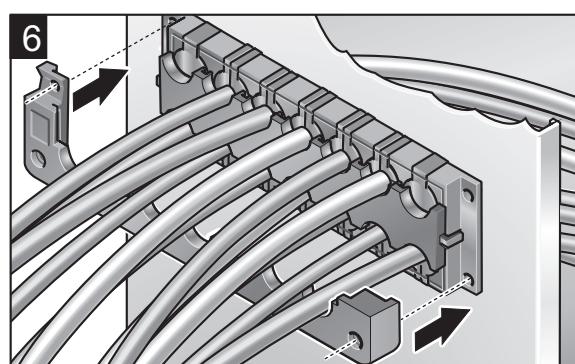
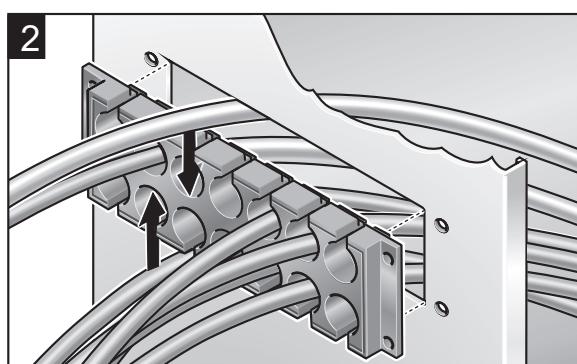
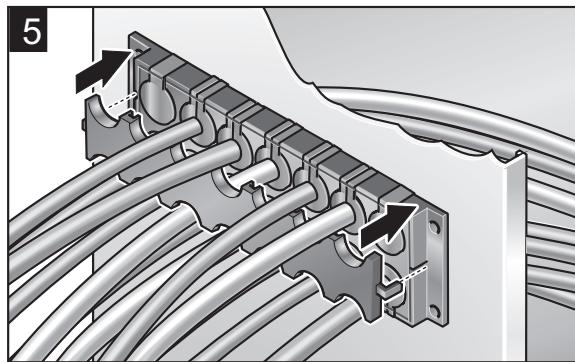
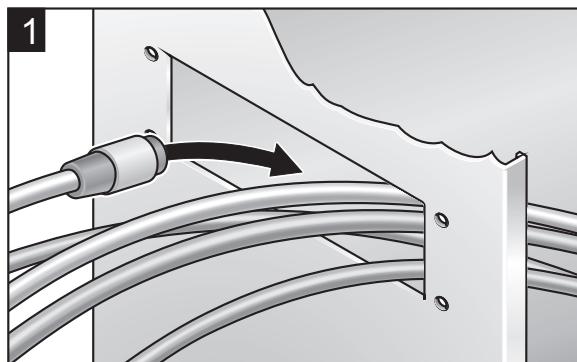
3.2.3 ANSCHLUSS FÜR 12VDC/24VDC IP67 10,1"



3.2.4 ANSCHLUSS FÜR 100-240 VAC IP67



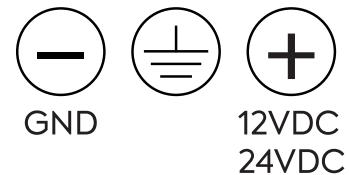
3.2.5 KABEL POSITIONIERTER EINGANG



DEUTSCH

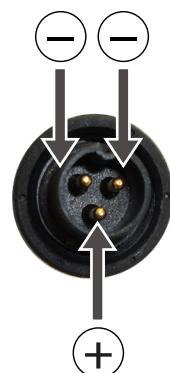
4 ANSCHLÜSSE DER STROMVERSORGUNG

4.1 12VDC/24VDC-STROMVERSORGUNGSANSCHLUSS FÜR IP65



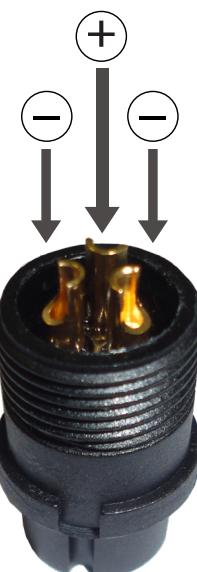
4.2 ZUBEHÖR ANSCHLUSS DER STROMVERSORGUNG

4.2.1 STROMVERSORGUNG 12VDC FÜR IP67

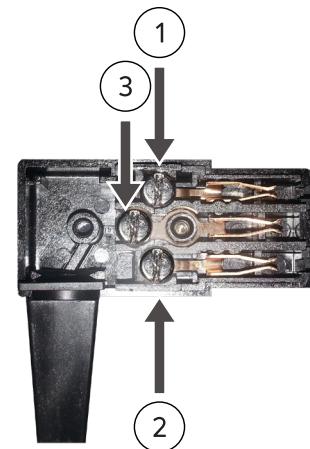


4.2.2 ANSCHLUSS 12-24 VDC FÜR IP67

ANSCHLUSSKABEL
ANSCHLUSS



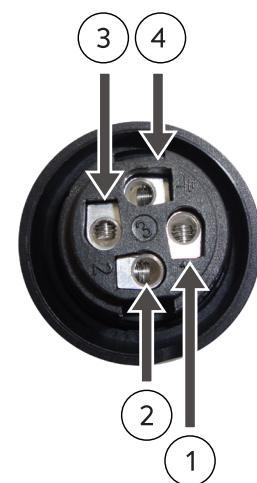
4.2.3 100-240VAC STROMANSCHLUSS FÜR IP65



ANZEIGE DER VERBINDUNG
DER VERBINDUNG.

Pin No.	Type
1	L
2	N
3	$\underline{\underline{L}}$

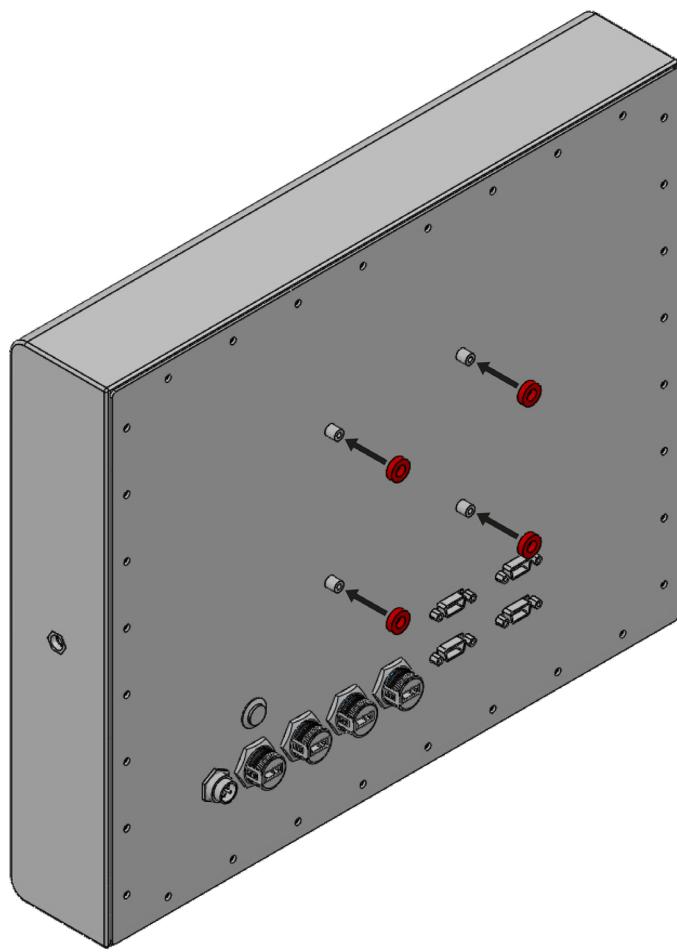
4.2.4 STECKER FÜR IP67



ANZEIGE DER VERBINDUNG
DER VERBINDUNG.

Pin No.	Type
1	L
2	N
3	n.c.
4	$\underline{\underline{L}}$

5 VESA-UNTERSTÜTZUNGSMONTAGE



VERSION	VESA
10"	VESA M4 - 100x100
15"	VESA M4 - 75x75
17"	VESA M4 - 100x100
19"	VESA M4 - 100x100
24"	VESA M4 - 100x100 VESA M4 - 200x200

6 AUSSER BETRIEB UND ENTSORGUNG

Am Ende der Produktlebensdauer ist es notwendig, die elektrischen und elektronischen Teile von den Metallkomponenten zu trennen. Diese Materialien müssen gemäß der geltenden Abfallentsorgungsgesetzgebung entsorgt werden. Insbesondere sieht die RAEE die Entsorgung elektrischer und elektronischer Komponenten durch auf die Abfallbehandlung spezialisierte Unternehmen vor.

7 ZUBEHÖR

7.1 WANDHALTERUNG

Montieren Sie den optionalen Arm entsprechend an der Wand.

Version 10 Zoll, Gewicht 3,5 kg

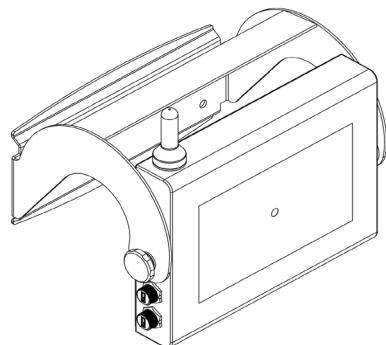
Version 15 Zoll, Gewicht 1,6 kg

Version 17 Zoll, Gewicht 1,2 kg

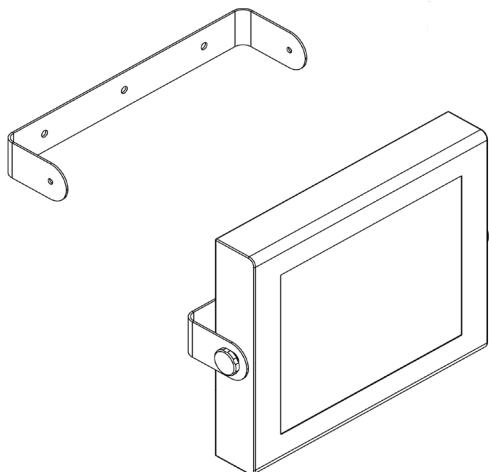
Version 17 Zoll Kurzgewicht 2 kg

Version 19 Zoll, Gewicht 2,4 kg

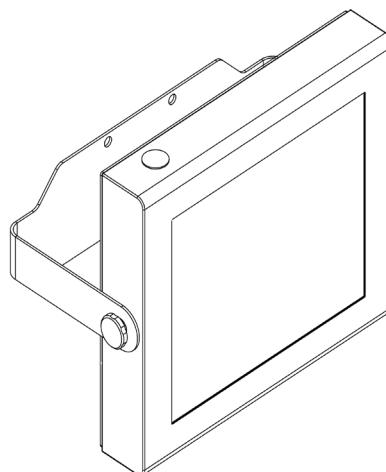
Version 24 Zoll, Gewicht 5,8 kg



Für die Version 10"



Für die Version 17"short



Für die Version 15",17",19",24"

7.2 DECKENMONTAGESTÜTZE

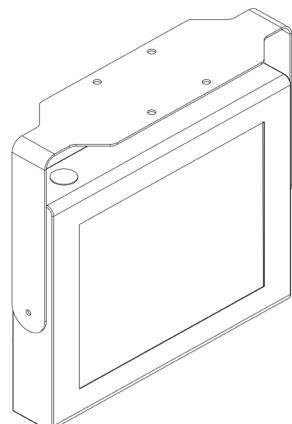
Montieren Sie den optionalen Arm entsprechend an der Decke.

Version 15 Zoll, Gewicht 3,5 kg

Version 17 Zoll, Gewicht 4 kg

Version 19 Zoll, Gewicht 4,3 kg

Version 24 Zoll, Gewicht 5,8 kg



Für die Version 15",17",19",24"

7.3 TISCHHALTERUNG

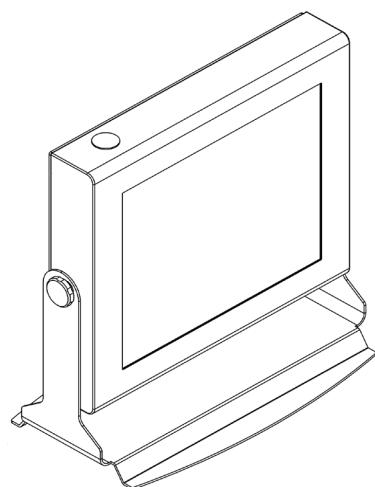
Tischständer einstellen

Version 10 Zoll, Gewicht 3,5 kg

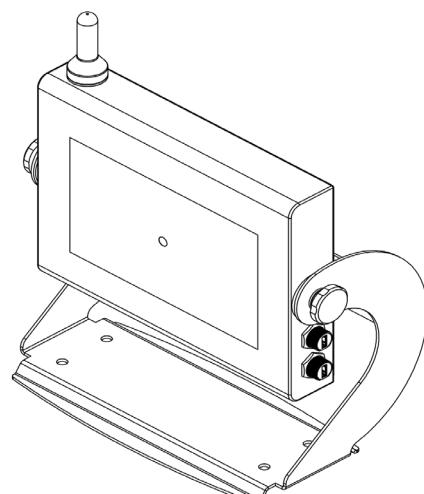
Version 15 Zoll, Gewicht 3 kg

Version 17 Zoll, Gewicht 3,7 kg

Version 19 Zoll, Gewicht 4,5 kg



Für die Version 15",17",19",



Für die Version 10"