AG NEOVO DISPLAYS
FOR MACHINE VISION

- 24/7 Operations (X- & HX-Series)
- Anti-Burn-in™ Technology
- Neov® Optical Glass (robust, higher brilliance und contrast)
- Typical lifetime ~50.000 hours
- Versatile Video-Input
- Noise reduction
- Smart Onmi Viewer (PIP, PBP, PIP Swap)

RICOH
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DISPLAYS FOR MACHINE VISION

Overview X- and U-Series

LED

LED

LED

LED

Part No.	C98009AG	C98005AG	C98006AG	C98007AG
Designation	X-15P	U-17	U-19	U-23
Description	Durable 15" LED display. Perfect for any environment where space is at a premium! NeoV™ Optical Glass protects the display from incidental damage, the metal casing ensures durability, VESA standard mounting, multiple input options	Bright 17" display, stereo speakers, side-mounted headphone jack and USB port, breakthrough power-saving technology, cuts power usage to zero with EcoSwitch, durable touch-sensor controls, NeoV™ Optical Glass	Crisp and bright 19" display for sophisticated professional usage, ideal screen size, power-saving economy, built-in speakers, headphone jack and USB port, protected by NeoV™ Optical Glass	23" display for excellent ergonomics, exceptional power efficiency and attains astonishing image clarity, protected by NeoV™ Optical Glass, built-in HDMI-, DVI-D, VGA inputs, side-mounted headphone jack, USB port and built-in stereo speakers
TFT Panel Size	15"	17"	19"	23"
Max. Resolution	XGA 1,024 x 768	SXGA 1,280 x 1.024	SXGA 1,280 x 1,024	FHD 1,920 x 1,080
Brightness	350 cd/m² (Typical)	250 cd/m² (Typical)	250 cd/m² (Typical)	250 cd/m² (Typical)
Contrast Ratio	500,000:1 (DCR)	1,000:1 (Typical)	1,000:1 (Typical)	1,000,000:1 (DCR)
Display Colour	16.7M	16.7M	16.7M	16.7M
Input	Analogue, Digital, CVBS, S-Video	Analogue, Digital, Audio	Analogue, Digital, Audio	Anaglogue, Digital, HDMI, Audio
Dimensions with Base (W x H x D)	380 x 359 x 155mm (15.0" x 14.1" x 6.1")	397 x 390 x 174mm (15.6" x 15.4" x 6.9")	440 x 417 x 174mm (17.3" x 16.4" x 6.8")	572 x 403 x 174mm (22.5" x 15.9" x 6.9")
Weight	4.8 kg (10.6 lbs)	4.9 kg (10.8 lbs)	5.7 kg (12.6 lbs)	5.8 kg (12.8 lbs)
VESA Mounting	100 x 100mm	100 x 100mm	100 x 100mm	100 x 100mm
Glass Type	NeoV™ Optical Glass	NeoV™ Optical Glass	NeoV™ Optical Glass	NeoV™ Optical Glass

NeoV™ Optical Glass

The most advanced and trusted hard glass protection available.

NeoV™ Optical Glass is a specially formulated, hardened optical glass to enhance image quality, and protect screen from any incidental damage incurred in high-volume environments.

Anti-Scratch Surface

The coated surface of NeoV™ Optical Glass reaches 9H, the highest grade on the pencil hardness scale.

High Transmittance | Anti-Reflection | High Impact Resistance | Water and Dust Resistance | Easy Maintenance

DISPLAYS FOR MACHINE VISION
Overview HX-Series

Part No.	C98001AG	C98002AG	C98003AG	C98004AG
Designation	HX-22	HX-24	HX-32	HX-42
Description	For extreme operational conditions, state-of-the-art protection of NeoV™ Optical Glass and Anti-Burn-in™ technologies, SDI inputs enable receiving megapixel images directly from HD-SDI devices without signal interruption or video delay, EcoSmart sensor, durable metal housing for 24/7 operations	Full HD resolution and LED backlighting, SDI inputs that make it possible to receive megapixel images directly from HD-SDI devices without signal interruption or video delay, solid protection of NeoV™ Optical Glass and Anti-Burn-in™ technologies, durable even under industrial conditions, for 24/7 operations	LED-backlit panel delivering Full HD resolution, with SDI inputs to receive megapixel images directly from HD-SDI devices with no signal interruption or video delay, equipped with cutting-edge AIP and Anti-Burn-in™ technology, protected by NeoV™ Optical Glass and a sturdy metal casing, for 24/7 operations	High-end LED, SDI inputs to receive megapixel images directly from HD-SDI devices, ultra clear image reproduction without signal interruption or video latency, advanced Anti-Burn-in™ and AIP technology, NeoV™ Optical Glass and a durable metal housing, for industrial standards in security, for 24/7 operations
TFT Panel Size	21,5"	23,6"	31,5"	42"
Max. Resolution	FHD 1,920 x 1,080	FHD 1,920 x 1,080	FHD 1,920 x 1,080	FHD 1,920 x 1,080
Brightness	250 cd/m² (Typical)	300 cd/m² (Typical)	350 cd/m² (Typical)	400 cd/m² (Typical)
Contrast Ratio	3,000:1 (Typical)	1,000:1 (Typical)	3,000:1 (Typical)	1,000:1 (Typical)
Display Colour	16.7M	16.7M	16.7M	16.7M
Input	Analogue, Digital, HDMI, SDI in/out, CVBS (BNC) in/out, Audio	Analogue, Digital, HDMI, SDI in/out, CVBS (BNC) in/out, Audio	Analogue in/out, Digital in/out, HDMI x 2, DisplayPort, SDI in/out, CVBS (BNC) in/out, Component, S-Video, Audio, RS-232 in/out, RJ45	Analogue in/out, Digital in/out, HDMI x 2, DisplayPort, SDI in/out, CVBS (BNC) in/out, Component, S-Video, Audio, RS-232 in/out, RJ45
Dimensions with Base (W x H x D)	513 x 369 x 155 mm (20.0" x 14.4" x 6.0")	562 x 397 x 155mm (22.1" x 15.6" x 6.1")	757 x 451 x 95mm (29.8" x 17.8" x 3.7") (without base)	980 x 574 x 121mm (38.6" x 22.6" x 4.8") (without base)
Weight	6.9 kg (15.2 lbs)	7.9 kg (17.4 lbs)	16.5 kg (36.3 lbs) (without base)	25.7 kg (56.5 lbs) (without base)
VESA Mounting	100 x 100mm & 75 x 75 mm	100 x 100mm & 75 x 75 mm	400 x 200mm	400 x 200mm
Glass Type	NeoV™ Optical Glass	NeoV™ Optical Glass	NeoV™ Optical Glass	NeoV™ Optical Glass

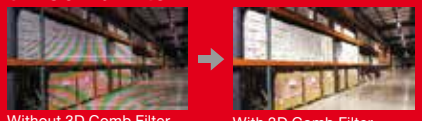
AIP ADVANCED Image Platform

Advanced Image Platform™

Solutions for optimised image quality and flexible image viewer options.

Built-in Image Enhancer

3D Comb Filter

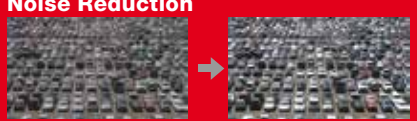


Without 3D Comb Filter — With 3D Comb Filter

3D Deinterlace

Without 3D Deinterlace — With 3D Deinterlace

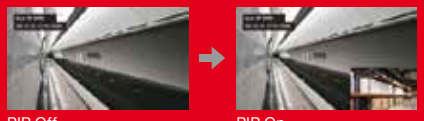
Noise Reduction



Without Noise Reduction — With Noise Reduction

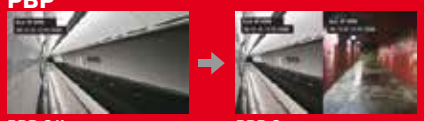
Smart Omni Viewer

PIP



PIP Off — PIP On

PBP



PBP Off — PBP On

PIP Swap

PIP On — Swap Applied

DESK STANDS
For HX-Series

Part No.	Designation	Description
C98507AG	STD-02	Desk Stand HX-32
C98508AG	STD-03	Desk Stand HX-42

Optimal displays for any application

Our range of displays includes additional models e.g. focusing on touch or security applications etc. Feel free to contact us!

WALL MOUNTS
Wall Mount or Desk Stand

Part No.	C98501AG	C98502AG	C98503AG	C98504AG	C98505AG	C98506AG
Designation	WMK-01	PMK-01	LMK-02	WMK-03	LMA-01	ES-02
Type	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount Arm	Desk Stand
Description	Standard wall mount made with high-grade anodised steel, weather-resistant, easy-to-install 2-piece bracket, suitable for indoor and outdoor environments, VESA standards, up to 18.0 kg (for monitors < 32")	3D wall mount made from durable steel and die-cast aluminum, complies with VESA standards and supports displays up to 14.0 kg, three pivots allow for a broad 270° rotation of the display, 180° up and down tilt, as well as 180° left to right swivel, *	Stable wall mount made from selected quality steel, adjustable tilt function provides more comfortable viewing angles, compatible with various VESA standards, perfectly suits 32" or larger displays weighing up to 80 kg	Tiltable wall mount for weights up to 60 kg, free angle tilt design saves the space while giving more viewing comfort, compatible with VESA standard, for small to medium-sized displays < 32"	3D wall mount for HX-32 and HX-42, tilt, swivel, extend or contract the LMA-01 wall mount arm to achieve versatile viewing angles, smart cable management routes the cables to keep the appearance clean, compliant with VESA standard, for display sizes larger than 32"	Adjustable display stand, height, swivel left to right, and even tilt and rotate for optimum viewing, smart cable management, highly durable and VESA compatible, supports a wide range of display weight from 2 kg ~ 8 kg
Mounting	VESA Standard 75 x 75 mm / 100 x 100 mm	VESA Standard 75 x 75 mm / 100 x 100 mm	VESA Standard Max. 440 x 330 mm	VESA Standard 100 x 100 mm / 200 x 100 mm / 200 x 200 mm	VESA Standard Max. 400 x 400 mm	VESA Standard 75 x 75 mm / 100 x 100 mm
Loading (Weight Capacity)	18 kg (40.0 lbs)	7 ~ 14 kg (15.4 ~ 30.9 lbs)	80 kg (176.4 lbs)	60 kg (132.3 lbs)	35 kg (77.2 lbs)	2 ~ 8 kg (4.4 ~ 17.6 lbs)
Rotation	-	270°	-	-	-	360° (Default: 90°)
Swivel	-	- 90° ~ + 90°	-	-	- 90° ~ + 90°	360°
Tilt	-	- 90° ~ + 90°	0°, -5°, -10°, -13°, -15°	-15° ~ 0° (free angle)	- 15° ~ + 15°	-5° ~ + 25°
Dimensions (W x H x D)	130 x 140 x 20 mm (5.1" x 5.5" x 0.8")	115 x 115 x 131 mm (4.5" x 4.5" x 5.2")	508 x 368 x 48 mm (20.0" x 14.5" x 1.9")	248 x 230 x 45 mm (9.8" x 9.1" x 1.8")	500 x 450 x 105 mm (19.7" x 17.7" x 4.1")	222 x 432 x 252 mm (8.7" x 17.0" x 9.9")
Weight	0.36 kg (0.79 lbs)	1.5 kg (3.3 lbs)	3.8 kg (8.3 lbs)	2.2 kg (4.9 lbs)	8.3 kg (18.4 lbs)	3.2 kg (7.0 lbs)

* the convenient slide in-and-out wall mount bracket allows for easy removal of the display

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