



# Product Data Sheet

## G&D VisionXS IP-CON-C-DP UHR

### Description



The VisionXS IP-DP-UHR KVM-over-IP extenders series extends high-resolution 4K video signals at 60 Hz over IP-based networks on layer 3 (1Gbit/s up to 10Gbit/s). The space available (especially in the rack) can be optimally used thanks to the considerably lower space requirement and the appropriate mounting solutions. The system processes DisplayPort 1.2 image data pixel-perfectly and with very good hand-eye coordination. An extender system consists of a computer module (CPU) and a user module (CON) and enables a computer to be operated from a greater distance.

Please contact Argosy for a quotation: +44 (0)1844 202101 / [sales@argosycable.com](mailto:sales@argosycable.com)

Product	SKU
G&D VISIONXS IP-CON-C-DP UHR	RA-1120391



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### Key Benefits

#### Video

- bluedec™ advanced developed compression algorithm of the latest generation for best video quality and latency-free transmission

Resolution up to:	4096 x 2160:	2560 x 1440:	1920 x 1080:
	60 Hz (4K2K/60Hz)	144 Hz	240 Hz (Full HD/240Hz)

#### Signals

- Encrypted video, keyboard, mouse and control data (AES-128)
- Embedded stereo audio (DisplayPort Digital, 2 channel LPCM)
- Generic USB support for USB class HID (Human Interface Device) and mass storage

#### Transmission

- Via CAT-x cable and over IP-based networks (layer 3)
- KVM-over-IP™

#### Device

- Efficient mounting solutions that require less screws save space, time and costs
- Particularly small design

#### Operation

- Multilingual on-screen display for configuration and operation
- Web application Config Panel 21 for configuration, monitoring and updates (NEW: in multiple languages)

#### Notes

- Powered by optional external power supply only



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## Technical Specification

G&D VisionXS IP-CON-C-DP UHR Specification	
<b>Transmission</b>	1920 × 1080 (240Hz)
<b>KVM-over-IP™ transmission: Yes</b>	1920 × 1080 (60 Hz)
<b>Number of transmission channels: 1</b>	Other VESA and CTA standardised resolutions possible within the framework of the pixel rate and horizontal/vertical frequency.
<b>Redundant transmission channels: optional redundant KVM transmission</b>	<b>Audio</b>
<b>Range: 100 meters</b>	<b>Transmission type: Stereo, 2-channel LPCM</b>
<b>KVM Matrix systems component: workstation module</b>	<b>Resolutions: 24 bits, 20 bits, 16 bits</b>
<b>Medium: CAT7, CAT6</b>	<b>Sampling rate: up to 48kHz</b>
<b>Data rate: 10Gbps, 1Gbps</b>	<b>Audio support: digital embedded</b>
<b>Video Output</b>	<b>USB</b>
<b>Number of video channels: 1</b>	<b>Specification: USB 2.0</b>
<b>Format: Display Port 1.2 (LBR, HBR, HBR2, Single Stream Transport (SST))</b>	<b>Generic USB support: up to 5 devices</b>
<b>Colour depth: 24 bit</b>	<b>Medium: embedded</b>
<b>Pixel rate: 25 Mpixel/s to 600 Mpixel/s</b>	<b>Transfer rate: 8.5 Mbit/s (full speed)</b>
<b>Vertical frequency: 24Hz to 240Hz</b>	<b>USB classes: Mass Storage (MSC / UMS) Human Interface Device (HID)</b>
<b>Horizontal frequency: 25kHz to 295kHz</b>	<b>Network</b>
<b>Resolution examples: 4096 × 2160 (60Hz)</b>	<b>Medium: CAT5, CAT6, CAT7</b>
3840 × 2160 (60Hz)	<b>Data rate: 10Mbps, 100Mbps</b>
2560 × 1600 (60Hz)	<b>Maintenance</b>
2560 × 1440 (144Hz)	<b>Update via: Config Panel (Network)</b>
2048 × 2048 (60Hz)	<b>Service port settings: 115200bps (8/N/1)</b>
1920 × 1200 (60Hz)	



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<b>Housing</b>	<b>Temperature storage:</b> -20°C to 60°C
<b>Material:</b> Anodized aluminum	<b>Humidity storage:</b> 15% to 85% non-condensing
<b>Size:</b> W 109mm x H 39.8mm x D 184mm	<b>MTBF:</b> 200000 hours at 25°C
<b>IP protection class:</b> IP20	<b>Power Supply</b>
<b>Weight:</b> approx. 0.91 kg	<b>Input voltage:</b> 12VDC
<b>Operating Conditions</b>	<b>Power consumption:</b> 2.6 A
<b>Temperature operation:</b> 5°C to 45°C	<b>Power consumption idle:</b> 15.6 W
<b>Humidity operation:</b> 20% to 80% non-condensing	<b>Power consumption max.:</b> 29.6 W
<b>Area of use:</b> interior	<b>Power consumption max.:</b> 29.6 W
<b>Maximum operating altitude:</b> 3048m above sea level	<b>Heat dissipation max.:</b> 19.45 W

## Standards

Product safety 2001/95/EC	EN61000-3-3 - EMC flicker
EAC TR CU 020/2011 Declaration	EN61000-3-2 - EMC current
EAC TR CU 004/2011 Declaration	harmonics EN61000-6-2 - EMC extended
EAC TR CU 037/2016 Declaration	interference immunity Industry
Prohibited substances RoHS 2011/65/EU	Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU	EN62368 - Safety
EN55032 (CISPR 32) - EMC emission	FCC CFR 47 part 15 subpart B cl. B
EN55024 EMC immunity	