OMEGA Series
OM-715POE (VBS-HDIP-715POE)

Just Add Power
AV over IP Solutions

1080p Encoder with USB, Stereo Port, and HDMI Out

The Omega Series 715POE encodes a 1080p or lower-resolution source device into an IP signal and distributes 1080p over a single Cat5e or greater network cable. The device supports all audio formats, USB and KVM functionality, and includes the system-wide features found across the Omega Series.

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All specifications subject to change without notice.

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Video

Maximum Input	1920x1080, 60fps, 36-bit color depth
Maximum Output	1920x1080, 60fps, 24-bit color depth
Dynamic Range	SDR, HDR10, HLG
HDMI Standard	HDMI 1.4b
EDID Management	Default, Built-in, Custom, and Captured

Compliance

Certification	FCC/CE/ROHS/RCM
HDCP Compliance	1.4

Endpoint Control

Endpoint Control Features	Serial Pass-through, Serial over IP, IR over IP, and CEC over IP

Image Pull

Format & Video Sub-stream	BMP or PNG
Maximum Framerate	10 fps

USB (KVM)

USB Standard	USB 2.0
USB Features	Keyboard, Mouse, and Touchscreen Pass-through

Audio

Supported Audio	All Audio Formats
Stereo Audio Maximum Sample Rate	96kHz

Network

Maximum Bandwidth	800 Mbps
Average Bandwidth	50-300 Mbps
Video Codec	Proprietary AGIC-G1 Visually Lossless
Audio Codec	Proprietary I2S Lossless
Encryption	AES-128 Hardware Based Crypto Engine

OM-715POE Specifications

Dimensions	158 x 30 x 127 mm 6.2 x 1.2 x 5.0 inch
Weight	0.44 kg / 0.97 lb
Rear Side Ports	RJ-45 (1Gb Network) HDMI In HDMI Out 3.5mm 2-Way RS232 3.5mm Stereo Out USB Micro 2.0
Power Supply	5V-18V, 10W 5.5mm/2.1mm, positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Encoder
POE	IEEE 802.3af (15.4W) Maximum 10 Watts
Release Date	March 2017

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Front of Device:

All measurements in millimeters (mm)

Back of Device:

All measurements in millimeters (mm)

Bottom of Device:

All measurements in millimeters (mm)

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