TERADEK Bridge

Bridge: PTZ Camera Control Device

Go remote with Bridge, the IP video capture and control solution for PTZ cameras. Bridge allows you to remotely monitor and operate VISCA, ONVIF, Dante AV-H™, or NDI®|HX PTZ cameras from anywhere in the world.

VIDEO PROCESSING

Number of Supported Streams	4
Maximum Total Bitrate	100 Mbps
Video Codec Ingest Support	**H.264, Advanced Video Coding (AVC):** ISO MPEG-4 Part 10/ITU H.264: Baseline, Main, High **High-Efficiency Video Coding (HEVC):** ISO MPEG-H Part 2/ITU H.265: Main
Supported Resolutions	4K DCI p23.98/24/25/29.97/30/50/59.94/60 4K UHD UHD p23.98/24/25/29.97/30/50/59.94/60 1080p 23.98/24/25/29.97/30/50/59.94/60 1080i 50/59.94/60 1080PsF 23/24/25/29/30 720p 50/59.94/60 576p 480p
Video Format Conversion Support	No Video Conversion Support
Supported Video Transport Protocols	Secure Reliable Transport (SRT), MPEG-TS (UDP, TCP, TCP Server, Multicast), RTSP, Airmix, NDI®|HX (HX, HX2, HX3), Dante AV-H™ (Transcoded PCM to AAC Audio)
Video Outbound	Teradek Bonding Protocol to Core
Camera Control	Supports VISCA, ONVIF, NDI, Dante HX PTZ Camera Control from Core to 3rd Party PTZ camera, Supports Control passthrough from third party IP controllers to 3rd party PTZ cameras through Core
Bonding	Support for 2x Ethernet ports (Without DHCP Server), Support for 2x Node II's (Bridge Duo only)
Recording	**Supported File Type** - MP4, TS wrapper **Supported Media** - Micro SD Card, NFS
GPS (Bridge Duo Only)	GPS location data to Core

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AUDIO PROCESSING

Audio Ingest Support	AAC, PCM Audio (Transcoded to AAC)
Audio Sample Rates Ingested	24-196kHz
Audio Bitrates Ingested	32kbps to 512kbps
Channels	Stereo 5.1, Surround Sound

PHYSICAL PROPERTIES

Dimensions	114 x 80 x 34mm (4.5 x 3.15 x 1.33 in)
Weight	350g (12.34oz)
Construction	Milled aluminum
Mountability	**12x** M3 mount points

INTERFACES

Configuration Interface	Feature-rich Web UI for local device management, configuration, and control, Intuitive iOS configuration and monitoring app (Bridge App), Core for cloud based device management
Cellular	**2x** Internal Node II modems with single SIM Card Slots and embedded eSIM supporting Teradek Data
Ethernet	**1x** 10/100/1000 BASE-T Gigabit Ethernet (RJ-45)
Routed Ethernet	**1x** 10/100/1000 BASE-T Gigabit Ethernet (RJ-45) with PoE output and DHCP Server

POWER

Power Input	USB-C host port (5-15V)
Nominal Power Consumption	8W
Voltage	46-56V (7-56V with no PoE)
PoE Support	802.11AT PoE output (Auto Configuration Only)