Dejero

WayPoint 104

High-quality four-output SDI or IP receiver

The WayPoint 104 receiver reconstructs broadcast-quality video transported over multiple IP connections from Dejero transmitters, decodes HEVC or AVC, and outputs to SDI or MPEG-TS workflows.

WayPoint 104 has been engineered for broadcast-quality reliability, equipped with dual power supplies and redundant storage hard drives with RAID protection giving you peace of mind.

Decoding up to four simultaneous ingests in a single 1U device, and with multiple output options, you gain flexibility and save valuable rack space in your facility.

CODEC AUTO-DETECTION

Compatible with any Dejero transmitter, WayPoint receivers auto-detect whether the incoming transmission is HEVC (H.265) or AVC (H.264) and decodes accordingly.

IFB & INTERCOM SUPPORT

Communicate with camera operators and talent in the field while in live and stand-by mode with one-way, balanced interruptible foldback (IFB) and two-way, full-duplex voice communication intercom feature.

*Additional hardware required

SAVE RACK SPACE

A single device receives and outputs transmissions from up to four different sources simultaneously—optimizing valuable rack space in your facility.

BUILT-IN REDUNDANCY

Engineered for reliability, WayPoint 104 uses industry-proven hot-swappable power supplies and front-access 1 TB hard drives with RAID protection for both power and storage redundancy.

PRODUCT SPECIFICATIONS

KEY FUNCTIONS

RECONSTRUCTS	Broadcast-quality video transported over multiple IP connections
DECODES	HEVC or AVC
OUTPUTS	4 x SDI, MPEG-TS streams

3G-SDI OUTPUT

VIDEO	Formats: 1080p 23.98/25/30/50/59.94/60, 1080i 25/29.97/30, 720p 50/59.94/60, 576i 25, 480i 29.97
AUDIO	2-, 4-, or 8-channel for live transmission
	Note: Transmitters sending recorded clips will send 2- or 4-channels of audio

MPEG-TS OUTPUT

VIDEO	Formats: 1080p 23.98/25/30, 1080i 25/29.97/30, 720p 50/59.94/60, 576i 25, 480i 29.97
	Bitrate: Constant, up to 30 Mb/s
	Codec: MPEG-4
AUDIO	2- or 4-channel
	Bitrate: Constant, up to 320 Kb/s for each channel pair
	Codec: AAC-LC
TRANSPORT	Protocols: UDP, RTP

DATA NETWORK CONNECTIONS

ETHERNET	2 x 1 Gb/s port for LAN/WAN

POWER

SUPPLY	2 x 100-240 VAC 50/60 Hz AC
CONSUMPTION	Max. 400 W (redundant)

PHYSICAL

DIMENSIONS (H x W x D)	1U 19" rack-mount, 4.3 x 43.7 x 50.3 cm (1.7 x 17.2 x 19.8 inches)
WEIGHT	9.5 kg (20.8 lbs)
OPERATING TEMPERATURE	10 °C to 35 °C (50 °F to 95 °F)
STORAGE	300+ hours of HD (6 Mb/s)
INTERFACES	Genlock (BNC), 4 x SDI out (BNC), 2 x RJ45 Ethernet, 4 x IFB (1/4" TRS connectors), VGA (DB9)

GENLOCK   SDI OUT   RJ45 ETHERNET   IFB

ADDITIONAL FEATURES

MULTIPLE OUTPUT FORMATS

Supports four outputs to SDI or three SDI and one MPEG-TS over IP playout workflows

HIGH PERFORMANCE

Quad-core Intel Xeon processor designed for all day, every day reliability

FRONT ACCESS STORAGE

Two hot-swappable (front access) 1 TB hard drives with RAID protection

BLACK BURST AND TRI-SYNC

Genlock input accepts black burst or tri-sync reference signals for video synchronization

BACKWARDS COMPATIBILITY

Fully compatible with all non-HEVC Dejero transmitters

MULTICHANNEL AUDIO

Supports 2, 4, or 8 different simultaneous audio outputs

MANAGE ANYWHERE

Manage all your receivers and output assignments remotely from any device with a web browser

SOFTWARE UPDATES

New and enhanced features and compatibility with new devices is provided with software updates