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.

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" rackmount, 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)

SDI out   Genlock   RJ45 Ethernet   IFB

Key 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 & 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

IFB & Intercom

One-way IFB and two-way full-duplex communications (additional hardware required)

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

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Full specifications available at **dejero.com/waypoint**

Contact us to learn more about WayPoint 104

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