WayPoint 50 receiver

The WayPoint 50 receiver reconstructs broadcast-quality video transported over multiple IP connections from a Dejero transmitter, decodes HEVC or AVC, and outputs to SDI or MPEG-TS workflows.

WayPoint 50 receivers fit in short-depth 19" rack systems, making them a great choice for production vehicles where space is a premium. They are also designed to fit in portable fly away kits to provide receiving capability on location. And if you just need a single output at your facility, this is the receiver model to choose.

**Compact Design**

The short-depth chassis is perfect for racking in vehicles and portable fly away kits where space is a premium.

**Broad Compatibility**

Receive and reconstruct broadcast-quality HEVC and AVC streams from all Dejero transmitters.

**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.

**Manage Anywhere**

Manage all your receivers and output assignments remotely from any device with a web browser.
# Product Specifications

## Key Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reconstructs</td>
<td>Broadcast-quality video transported over multiple IP connections</td>
</tr>
<tr>
<td>Decodes</td>
<td>HEVC or AVC</td>
</tr>
<tr>
<td>Outputs</td>
<td>To SDI or MPEG-TS IP workflows</td>
</tr>
</tbody>
</table>

## 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 Kbps 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**
- 100-240 VAC 50/60 Hz AC

**Consumption**
- Max. 100 W

## Physical

**Dimensions (H x W x D)**
- 1U short-depth 19" rackmount, 4.4 x 42.7 x 24.9 cm (1.7 x 16.8 x 9.8 inches)

**Weight**
- 4.2 kg (9.2 lbs)

**Operating Temperature**
- -10 °C to 45 °C (14 °F to 113 °F)

**Storage**
- 35 hours of HD (6 Mb/s)

**Interfaces**
- Genlock (BNC), SDI out (BNC), 2 x RJ45 Ethernet, IFB (3.5 mm microphone connector), 1 x USB 2.0 (front), 4 x USB 3.0 (rear)

## Key Features

- **Multiple Output Formats**
  - Supports SDI or MPEG-TS over IP playout workflows
- **Codec Auto-Detection**
  - Automatically detects and decodes HEVC or AVC without human intervention
- **High Performance**
  - Intel processor designed for all day, every day reliability
- **Black Burst & Tri-Sync**
  - Genlock input accepts black burst or tri-sync reference signals for video synchronization
- **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
- **Software Updates**
  - New and enhanced features and compatibility with new devices is provided with software updates

Full specifications available at dejero.com/waypoint

Contact us to learn more about WayPoint 50

dejero.com
connect@dejero.com
+1 519 772 4824

Copyright © 2022 Dejero Labs Inc. Dejero is a trademark or registered trademark of Dejero Labs Inc. All other trademarks are the property of their respective owners. Design, features, and specifications are subject to change without notice. D-PB129-006 01/2022