

DI103RD Multi-Channel HEVC Video Receiver



- Network video reception and hardware-accelerated HEVC decoding
- Low-latency, real-time multi-channel video display
- Quad-view and full-screen output on a 4K display



Interface

Ethernet	2x 10/100/1000 BASE-T
Display	1x HDMI 2.1
LED	Power, Device Status

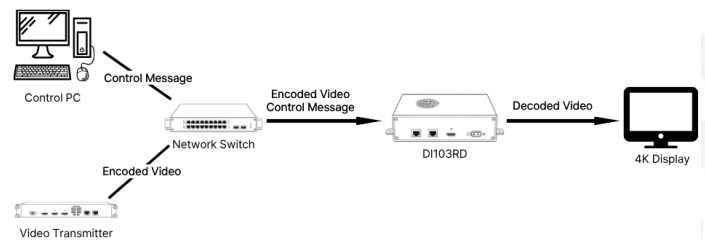
Specification

Hardware	NVIDIA Jetson AGX Orin
Storage	32GB eMMC 5.1
Power Supply	24VDC, 2A

Decoding and Display

Decode	H.265(HEVC) – 3840x2160p60 / 1920x1080p60
Display Mode	Quad View / Full Screen
Overlay	Display ON / OFF
Low Latency	Average latency of less than 100ms
Operation	Real-Time Decode and Display
Redundancy	Active-Active, Active-Standby

Application Diagram



I/O Layout



Port Description

1	Status LED 1	Power status monitoring	4	HDMI Port	Decoded video output
2	Status LED 2	Device status monitoring	5	Power Port	24VDC power input
3	Ethernet Port	Network video input and control	6	Reset Button	Device reset

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UP TO

241

TOPS AI PERFORMANCE

VIDEO DECODE

H.264, HEVC and AV1 Hardware Decoding

DISPLAY

Up to 8K @ 60 Hz

CONNECTIVITY

Gigabit Ethernet, HDMI 2.1



Solution

AI Video Analytics	Object Detection / Tracking / Classification / Anomaly Detection
Multi-Stream AI Inference	Concurrent Inference Within Model, Resolution and Frame-Rate Limits
Intelligent Video Processing	Denoising / Enhancement / Super-Resolution / AI Preprocessing
Event-Based Monitoring	Event Detection / Alert Generation / Selective Recording
AI Data Pipeline	Metadata Generation / Video Selection / Training Data Transfer