

CDS-5021h STR

Digital encrypted wireless AV transmission system



- ✓ Point-to-point (duplex) or point-to-multipoint (simplex) topology.
- ✓ Digital signal for video feed from moving objects.
- ✓ Automatic DFS or manual channel selection (16 frequencies available).
- ✓ OFDM allows video transmission in high-interference areas (e.g. near overhead power lines).
- ✓ Redundant watchdog functionality.

Transmission even in highly disturbed environments

CDS-5021h STR is a modern solution designed for professional CCTV systems. Transmission encryption and extremely high interference resistance make the system perfect for monitoring in the urban environment. The system excels at locations near to power lines, wireless Internet access networks, and wherever the line of sight of all antennas is not possible.

Another advantage is the easy deployment of the system: just align the antennas, connect the signals and provide power. The modules will automatically search for free frequencies (in the DFS mode) or use the user-selected one (in the manual channel selection mode).

▼ Example application

One of the applications of **CDS-5021h STR** are crane monitoring systems.

A crane operator has displays connected to the Rx modules in his cab **1**. He can monitor the surroundings under the crane arm **2** and within the crane work range **3**.

This type of monitoring ensures a safe and exact



Frequency 5 GHz

Video Resolution 720 × 576i (25 fps), 720 × 480i (30 fps)

Video Standard PAL/NTSC

Output Power <100 mW (20 dBm)

Video Compression MPEG 2

Impedance 50 Ω

Modulation OFDM

Operating Channels 16 (21)

Video Connectors BNC (75 Ω, 1 Volt p-p)

Audio Stereo BNC - option
(600 Ω, 2 Volt p-p)

Encryption AES 128 bit

Power Supply 9–14 V / 1.5 A DC

Operation Temperature from –20°C to 55°C

Dimensions Tx: 230 × 165 × 120 mm
Rx: 230 × 165 × 120 mm

Transmission Delay ≤ 400ms

Operation Range 1 and 2 km

Application external IP65