

VPort D351/D361 Series

1-channel MJPEG/MPEG4/H.264 industrial video decoders



- > Decode H.264, MPEG4, and MJPEG video streams to an analog video signal automatically
- > Manual selection or automatic scan with maximum of 64 video sources
- > 2-way (1 in, 1 out) audio supported
- > Transparent PTZ control with legacy PTZ controller
- > SNMP for network management



Introduction

The VPort D351 and VPort D361 are 1-channel video decoders for decoding H.264/MPEG4/MJPEG video streams from VPort series video encoders back to analog video signals. The analog video signal can be sent to legacy CCTV devices, such as monitors, multiplexers, and matrix switches, which can be used as originally intended as part of CCTV systems. In addition, bi-directional audio enables ready-to-use voice-over-IP communication between the video encoder and decoder.

Monitoring cameras that are part of a large CCTV system is easy with the VPort D351 and VPort D361, which can be set up to switch between different video sources either manually or automatically within a given time interval. Up to 64 video sources can be included in the list. In addition, the 2 DIs located on the top panel of the VPort D351 and VPort D361 can be used to create two control buttons for up and down video source selection.

Specifications

Video

Video Decoding:

VPort D351: MPEG4, MJPEG (auto-detecting)

VPort D361: H.264 (MPEG4 part 10), MJPEG (auto-detecting)

Video Inputs: Accepts video streams from H.264/MPEG4/MJPEG VPort series

Video Outputs: 1, BNC connector (1.0 Vpp, 75 ohms), NTSC or PAL

Video Resolution: Max. of 540 TVL lines

Video Sources: Up to 64, selected manually by web server or digital inputs, or selected automatically by scanning within a set time interval

Video Viewing:

- Max. of 30/25 FPS (NTSC/PAL) can be decoded
- OSD (on-screen display) with video source, video source IP, date/time, and customized information

Audio

Audio Inputs: 1 Line-in or Mic-in with 3.5 mm phone jack

Audio Outputs: 1 Line-out with 3.5 mm phone jack

Audio Format: Mono, PCM

Network

Protocols: TCP, UDP, HTTP, SMTP, NTP, DNS, DHCP, UPnP, RTP, RTSP, SNMPv1/v2c/v3, Modbus/TCP

Ethernet: 1 10/100BaseT(X) auto negotiating RJ45 port

Serial Port

PTZ Ports: 1, RS-232/422/485 port (terminal block connector), max. 115.2 kbps

Console Port: 1, RS-232 RJ45 port

GPIO

Digital Inputs: 2, max. 8 mA

Low: +13 V to +30 V; High: -30 V to +3 V

Relay Outputs: 2, max. 24 VDC @ 1 A

LED Indicators

STAT: Indicates if the system booted properly or not

PWR1: Power Input 1

PWR2: Power Input 2 (VPort D351 only)

FAULT: Can be configured to correspond to system alarm or disconnected network

Power Requirements

Input Voltage:

VPort D351: 2 12/24 VDC or 24 VAC inputs for redundancy

VPort D361: 1 12/24 VDC or 24 VAC input

Power Consumption:

VPort D351: Max. 8 W

VPort D361: Max. 6.5 W

Physical Characteristics

Housing: Metal, IP30 protection

Dimensions: 52.98 x 135 x 105 mm (2.09 x 5.31 x 4.13 in)

Weight:

VPort D351: 910 g (2.00 oz)

VPort D361: 890 g (1.96 oz)

Installation: DIN-rail mounting, wall mounting (with optional kit)

PAN/TILT/ZOOM

PTZ Camera Control: Transparent PTZ camera control with legacy PTZ controller through the RS-232/422/485 PTZ port

Security

Password: User level password protection

Filtering: By IP address

Environmental Limits

Operating Temperature:

Standard Models: 0 to 60°C (32 to 140°F)

Wide Temp. Models: -40 to 75°C (-40 to 167°F) (VPort D361-T only)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Standards and Certifications

Safety:

VPort D351: UL 508

VPort D361: UL 60950-1

EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A

EMS:

EN 61000-4-2 (ESD) Level 3 (VPort D361), Level 2 (VPort D351),

EN 61000-4-3 (RS) Level 3,

EN 61000-4-4 (EFT) Level 3,

EN 61000-4-5 (Surge) Level 3,

EN 61000-4-6 (CS) Level 3 (VPort D361), Level 2 (VPort D351),

EN 61000-4-8,

EN 61000-4-11

Shock: IEC 60068-2-27

Freefall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Note: Please check Moxa's website for the most up-to-date certification status.

MTBF (mean time between failures)

Time:

VPort D351 Time: 275,000 hrs

VPort D361 Time: 541,000 hrs

Database: Telcordia (Bellcore), GB 25°C

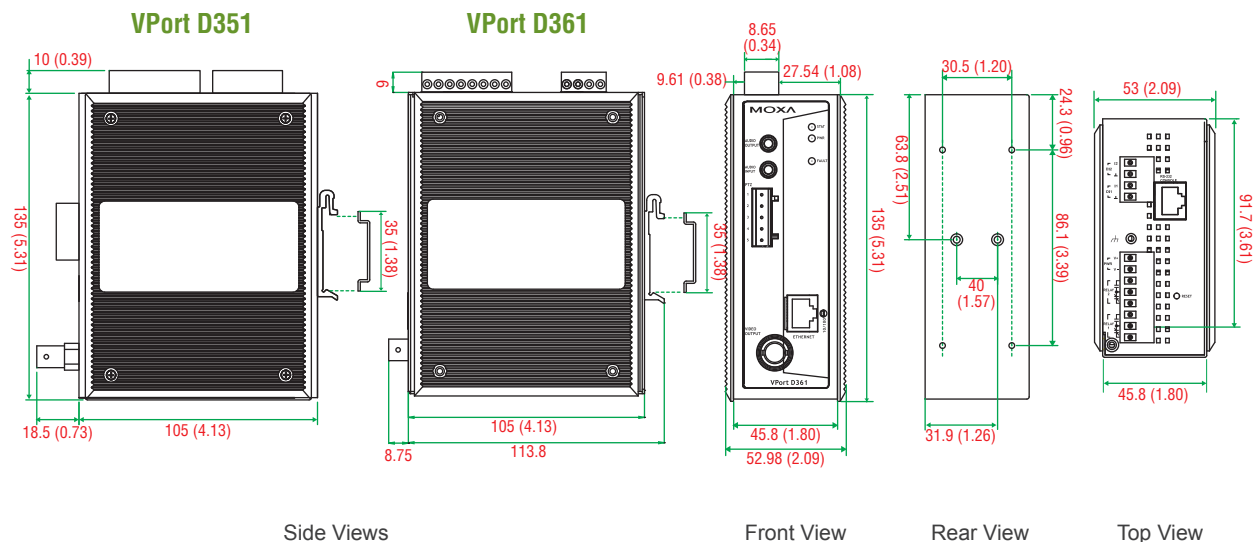
Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Dimensions

Unit: mm (inch)



Ordering Information

Available Models

VPort D351: 1-channel MJPEG/MPEG4 industrial video decoder, 0 to 60°C operating temperature

VPort D361: 1-channel H.264/MJPEG industrial video decoder, 0 to 60°C operating temperature

VPort D361-T: 1-channel H.264/MJPEG industrial video decoder, -40 to 75°C operating temperature

Optional Accessories (can be purchased separately)

DR-4524/75-24/120-24: 45/75/120 W DIN-rail 24 VDC power supplies

MDR-40-24/60-24: 40/60 W DIN-rail 24 VDC power supplies, -20 to 70°C operating temperature

WK-46: Wall mounting kit

RK-4U: 4U-high 19" rack mounting kit

Package Checklist

- VPort D351/D361 video decoder
- 4-pin terminal block for 2 digital inputs (VPort D361 only)
- 6-pin terminal block for 1 power input and 2 digital inputs (VPort D351 only)
- 8-pin terminal block for 1 power input and 2 relay outputs
- 5-pin terminal block for the RS-232/422/RS-485 PTZ control port
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card