VPort D351

1-channel MJPEG/MPEG4 industrial video decoder

> **Decode MJPEG and MPEG4 video streams to analog video signal automatically**
> **Manual selection or automatic scan with maximum of 64 video sources**
> **2-way (1 in/1 out) audio supported**
> **Supports transparent PTZ control with legacy PTZ controller**
> **Supports SNMP for network management**

The certification logos shown here apply to some or all of the products in this section. Please see the **Specifications** section or Moxa's website for details.

Introduction

The VPort D351 is a 1-channel video decoder for decoding MPEG4/MJPEG video streams from VPort series video encoders (not include VPort 2110, VPort 2140, VPort 2310, VPort 2141, and VPort 3310) and VPort IP cameras 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 large CCTV systems is easy with the VPort D351, 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 can be used to create 2 control buttons for up and down video source selection.

Specifications

Video

Video Decoding: MPEG4, MJPEG (Auto detecting)
Video Input: Video streams from VPort series video encoders and IP cameras over TCP/IP networks (not including VPort 2110, VPort 2140, VPort 2310, VPort 2141, and VPort 3310)
Video Output: 1, BNC connector, NTSC or PAL
Resolution: Max. 540 TVL line
Video Source: Up to 64, selected manually by web server or digital inputs, or selected automatically by scanning within a set time interval
Video Viewing:
• Max. 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 port; 1 Mic-in port
Audio Outputs: 1 Line-out port
Audio Encoding: PCM
Audio Decoding: Mono

Network

Protocols: TCP, UDP, HTTP, SMTP, Telnet, NTP, DNS, DHCP, UPnP, RTP, RTSP, and SNMPv3
Ethernet: 1 RJ45 port, 10/100BaseT(X) auto negotiation

Serial Port

PTZ Ports: 1, RS-232 or RS-422/485 terminal block connector, max. 115.2 Kbps baudrate
Console Port: 1, RS-232 RJ45 port

GPIO

Digital Inputs: 2, max. 8 mA
　　　　　　　　"High": +13V to +30V
　　　　　　　　"Low": -30V to +3V
Relay Outputs: 2 (max. 24 VDC @ 1A)

LED Indicators

STAT: Indicates if system booted up properly or not
PWR1: Power 1
PWR2: Power 2
FAULT: Can be configured to correspond to system alarm, power failure, video loss, or disconnected network

Physical Characteristics

Dimensions (W x H x D): 52.98 x 135 x 105 mm (2.09 x 5.31 x 4.13 in.)
Weight: 910 g
Installation: DIN-Rail mounting, wall mounting (optional kit)

Power Requirements

Inputs: 2 12/24 VDC and 24 VAC power inputs for redundancy

Environmental Limits

Operating Temperature: 0 to 60°C (32 to 140°F)
Storage Temperature: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)

Regulatory Approvals

Safety: UL508
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), level 2
EN61000-4-3 (RS), level 3
EN61000-4-4 (EFT), level 3
EN61000-4-5 (Surge), level 3
EN61000-4-6 (CS), level 2
EN61000-4-12 (Oscillatory wave immunity), level 3
Shock: IEC 60068-2-27
Freefall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Warranty

5 years (see www.moxa.com/warranty for details)

Alarm Features

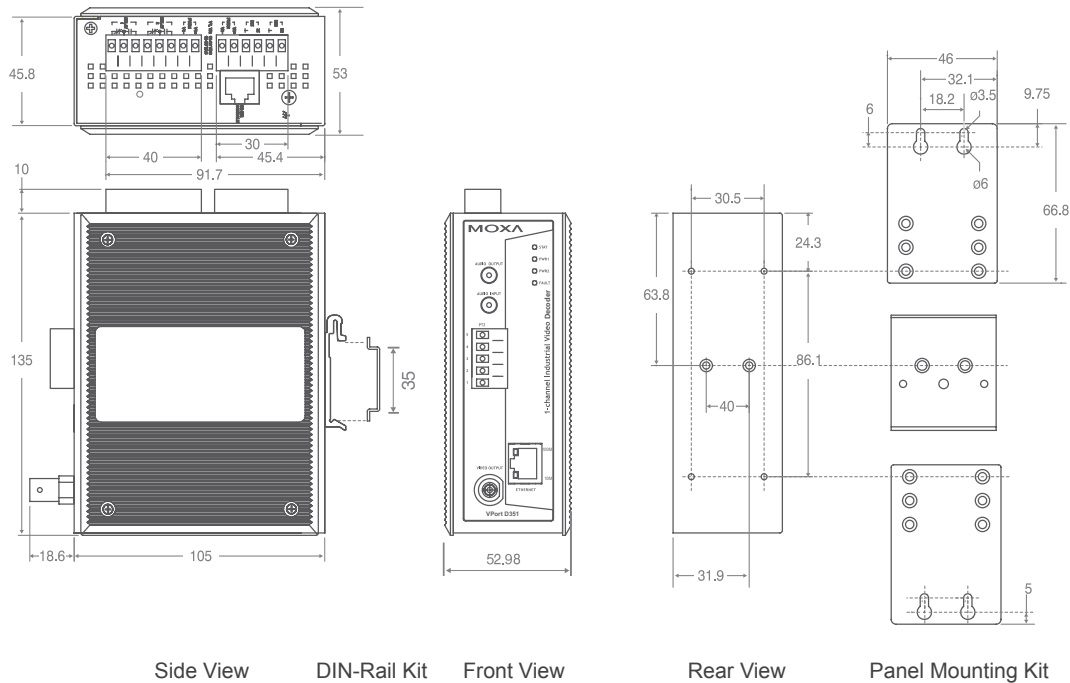Automatically switch to the video source once an event is triggered

PAN/TILT/ZOOM

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

Security

• User level password protection
• IP address filtering

Dimensions (unit = mm)

Side View　　DIN-Rail Kit　　Front View　　Rear View　　Panel Mounting Kit

Ordering Information

VPort D351: 1-channel MJPEG/MPEG4 industrial video decoder, 12/24 VDC and 24 VAC redundant power input, 0 to 60°C

Optional Accessories

• **DR-4524:** 45W/2A DIN-Rail 24 VDC power supply, 85 to 264 VAC input
• **DR-75-24:** 75W/3.2A DIN-Rail 24 VDC power supply, 85 to 264 VAC input
• **DR-120-24:** 120W/5A DIN-Rail 24 VDC power supply, 88 to 132 VAC/176 to 264 VAC input by switch
• **WK-46:** Wall mounting kit
• **RK-4U:** 4U-high 19" rack mounting kit

6

Video Networking Products > VPort D351