

# VPort 364 Series

**Excellent video quality, 4-channel H.264/MJPEG industrial video encoders**



- > Dual simultaneous H.264 and MJPEG video streams
- > Video latency under 200 ms
- > Moxa DynaStream™ function supported for network efficiency
- > OnVIF supported for standardization and interoperability
- > 802.1X and SSL/SSH for advanced network security
- > Industrial design with -40 to 75°C operating temperature
- > VPort SDK PLUS provided free



## : Introduction

The VPort 364 is a 4-channel industrial video encoder that supports the H.264 video compression algorithm, which uses less bandwidth than other video compression standards; the VPort 364 provides the best video quality available on the market today. In addition, the VPort 364 supports simultaneous dual video streams with different formats:

H.264 and MJPEG. The two video streams can be used for different purposes, such as viewing, recording, or analysis. In addition, the rugged industrial design with -40 to 75°C operating temperature, built-in fiber Ethernet ports, IP30 form factor protection, and industrial certifications, make the VPort 364 highly suitable for use in harsh environments.

## : Specifications

### Video

**Video Compression:** H.264 (MPEG4 part 10, AVC) or MJPEG  
**Video Inputs:** 4, BNC connector (1.0 Vpp, 75 ohm)  
**Video Streams:** Dual streams (one for H.264, the other for MJPEG)  
**NTSC/PAL:** Manual  
**Video Resolution and FPS (frames per second) in single video stream:**

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
QCIF	176 x 112	30	176 x 144	25
CIF	352 x 240	30	352 x 288	25
VGA	640 x 480	30	640 x 480	25
4CIF	704 x 480	30	704 x 576	25
Full D1	720 x 480	30	720 x 576	25

**Note:** When enabling H.264 and MJPEG video streaming simultaneously, the total FPS of these 2 video streams will be approximately 30 FPS. For example, if MJPEG is configured at 10 FPS, then H.264 will be configured at 20 FPS.

### Video Viewing:

- DynaStream supported for changing the video frame rate automatically
- Adjustable image size and quality
- Timestamp and text overlay

### Audio

**Audio Inputs:** 1, Line-in or MIC-in with RCA connector  
**Audio Outputs:** 1, Line-out with RCA connector  
**Audio Format:** Mono, PCM

### Network

**Protocols:** TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, RTP, RTSP, ICMP, IGMPv3, QoS, SNMPv1/v2c/v3, DDNS, Modbus/TCP, 802.1X (Pending), SSL/SSH (Pending)  
**Ethernet:** 1 10/100BaseT(X) auto negotiating RJ45 port, or 1 100BaseFX fiber port (single/multi-mode, SC connector)

### Serial Port

**PTZ Ports:** 1, RS-232/422/485 port (5-pin terminal block connector), max. speed of 115.2 Kbps  
**Console Port:** 1 RS-232 RJ45 port

### GPIO

**Digital Inputs:** 4, max. 8 mA  
 High: +13 to +30 V; Low: -30 to +3 V  
**Relay Outputs:** 2, max. 24 VDC @ 1 A

### LED Indicators

**STAT:** System status  
**PWR1:** Power 1  
**PWR2:** Power 2  
**FAULT:** Can be configured to correspond to system alarm, power failure, or disconnected network  
**V1, V2, V3, V4:** Video input signal activity for channels 1 to 4

### Power Requirements

**Input Voltage:** 2 12 VDC or 24 VDC/VAC inputs for redundancy, terminal block connector  
**Power Consumption:** Max. 7.5 watts

### Physical Characteristics

**Housing:** Metal, IP30 protection  
**Dimensions:** 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)  
**Weight:** 1110 g  
**Installation:** DIN-Rail mounting or panel mounting (with optional mounting kit)

### Alarms

**Video Motion Detection:** Includes sensitivity tuning  
**Video Loss:** Video loss alarm  
**Scheduling:** Daily repeat timing schedule  
**Imaging:** JPEG snapshots for pre/trigger/post alarm images  
**Email/FTP Messaging:** Automatic transfer of stored images via email or FTP with event-triggered actions  
**Custom Alarms:** HTTP event servers and CGI events for setting customized alarm actions  
**Pre-alarm Buffer:** 24 MB per channel for JPEG snapshot images

