



Functional description:

- 1.The distributed recording host must adopt an embedded architecture design, not a server or PC architecture. The recording host height is 1U.
- 2.Equipped with 8 HDMI input interfaces. Input interfaces support a maximum resolution of 2K, downward compatible with 720p and other common resolutions.
- 3.Built-in 3.2-inch LCD screen displaying system hard disk space, version number, recording status, IP address, and other device information.
- 4.Supports 5 RS232 interfaces for connecting external control systems, production keyboards, control panels, etc. Supports 5 USB interfaces.
- 5.Features 5 high-definition video outputs with audio output capability.
- 6.Terminal audio uses high-quality AAC audio encoding technology with a sampling rate of 48kHz, achieving true sound reproduction.
- 7.Built-in high-speed stable 2TB hard disk for local storage of recording files. Supports storage space expansion.
- 8.Recorded video file format supports standard MP4.
- 9.Supports pulling and recording 8 RTSP video streams, as well as video playback.
- 10.Supports 2 10/100/1000M adaptive RJ45 interfaces.
- 11.Signal source preview is visible during recording, what you see is what you get. File names can be customized.
- 12.Video supports H.264, H.265 video codec standards. Video encoding bitrate is adjustable, supporting 512kbps ~ 20Mbps.
- 13.Any media within the distributed LAN can be recorded without considering hardware interfaces.

Technical specifications:

Technical Specifications	VM-TS3021
Operating System	Linux
CPU Cores	4 cores
RAM	4G
Internal Storage	2TB (supports replacement with larger capacity storage)
Video Encoding Standards	H.264, H.265
Input Resolutions	1920×1080p@60, 1920×1080p@30, 1600×1200p@60, 1680×1050p@60, 1600×900p@60, 1440×900p@60, 1280×1024p@60, 1280×960p@60, 1280×800p@60, 1280×720p@60, 720×480p@60, 640×480p@60
Output Resolution	1920x1080
Video Recording Formats	MP4, TS
Video Recording Bitrate	256kbps ~ 20480Kbps adjustable
Recording Bitrate Control	CBR, VBR, AVBR, QVBR, CVBR, FIXQP, QPMAP
Video Recording Frame Rate	25 ~ 60 fps
Audio Compression Standard	AAC
Audio Compression Bitrate	32 ~ 192 Kbps adjustable
Video Input	8 x HDMI
Video Output	2 x HDMI, 1 x UVC
Audio Input	1 x 3.5mm LINE IN, 2 x Phoenix Terminal LINE IN, 1 x HDMI IN, 1 x UAC
Audio Output	2 x 3.5mm LINE OUT, 1 x Phoenix Terminal LINE OUT, 4 x HDMI OUT, 1 x UAC
Network Interface	2 x RJ45: 10/100/1000M auto-sensing
COM Interface	5 x Phoenix Terminal RS232
USB Interface Power Interface Input Power	1 x Type-A USB 3.0, 4 x Type-A USB 2.0, 1 x Type-B USB 2.0, 2 x Type-C USB 2.0
	1 x DC power socket, inner diameter 2.5mm, outer diameter 5mm
	DC 19V
Power Consumption	< 65W
Standby Power Consumption	< 2W
Storage Temperature	-10°C ~ +50°C
Storage Humidity	90% RH
Operating Temperature	0°C ~ 50°C
Operating Humidity	70% RH
Installation Method	Rack-mounted
Unit Color	Black
Body Material	Front panel: Aluminum alloy; Chassis: SGCC sheet metal
Unit Dimensions	483.4mm (W) x 318.5mm (D) x 46mm (H)
Net Weight	Approx. 3.8 Kg
Gross Weight	Approx. 5.0 Kg
Operating System	Linux
CPU Cores	4 cores