SED-2100

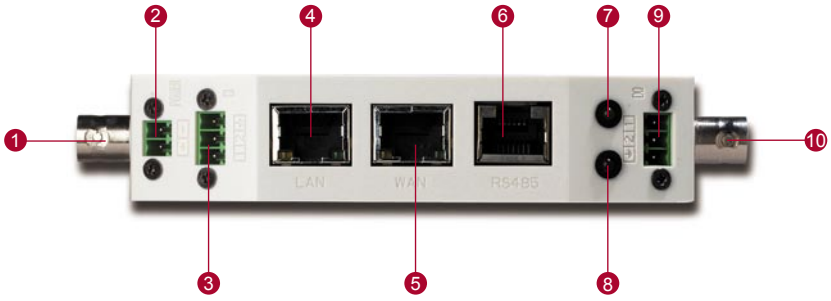
Din-rail Type MPEG-4 Video Server

- MPEG-4 ASP compliant compression
- CIF up to Full D1 resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L2, L3) video streaming (UniCast/MultiCast)
- Digital time code embedded
- Motion detection

Transmit analog image into digital data with ultra high resolution

The SED-2100 is a high resolution, Ethernet (LAN and WAN) ready digital video transmission device.
It is specially designed to meet the increasing need for high quality, high reliability, real-time video streaming used in the field of surveillance and security.

The SED-2100 is based on Arm9 SoC, MPEG-4 ASP compliant compression technology to compress the video stream and transmit them via LAN and WAN. It supports automatic/manual frame rate control for concurrent video stream accessing in different bandwidth. The SED-2100 also provides RS-485 and digital I/O data transmission over Ethernet for product integrators or solution providers. With this system, users can build digital remote surveillance systems easily.



1. Analog video input
2. DC power input
3. Digital input
4. LAN port
5. WAN port
6. RS-485 port
7. RS-485 LED
8. Power LED
9. Digital output
10. Analog video output

* All specifications are subject to change without notice.
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PRODUCT SPECIFICATION

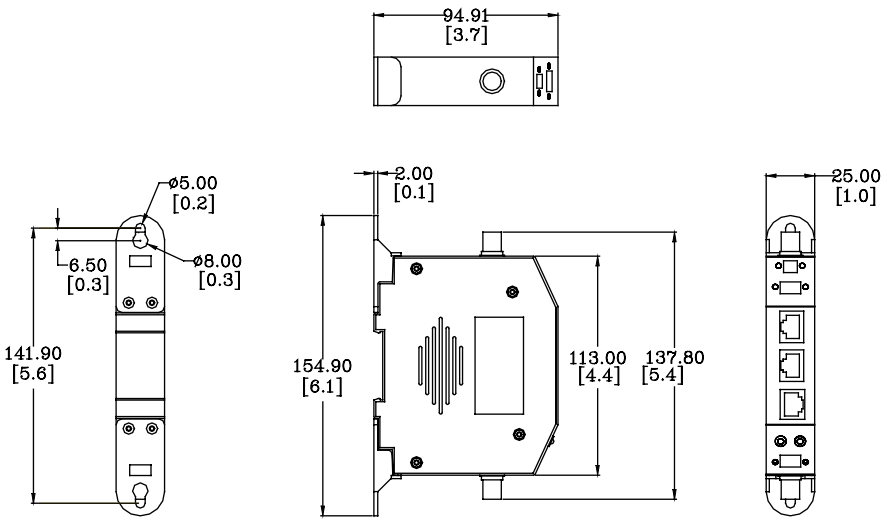
Video (Compression)	
Compression	MPEG-4 ASP compliant compression
Resolution	Full D1 (720 x 480 in NTSC, 720 x 576 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) QCIF (160 x 112 in NTSC, 176 x 144 in PAL)
Bit Rate	28 K ~ 3 M bps
Image Frame Rate	30 fps at full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL)
Video Input	
Composite Input	CVBS, 1.0Vp-p with 75 Ω loading, BNC connector
Video Output	
Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC connector
Alarm	
Input	2, TTL, terminal block
Output	2, TTL, terminal block
Remote Control	
Serial Port	RS-485: half duplex, RJ-45
External I/O	
Reset Button	Factory default
LED	System / power status

Network	
LAN Port	Ethernet (10/100Base-T), RJ-45 connector
WAN Port	Ethernet (10/100Base-T), RJ-45 connector
Protocol	TCP, UDP, IP, HTTP, DHCP, PPPoE
Software	
Web Browser	Microsoft Internet Explorer 6.0 or above
SDK	ActiveX control, C SDK
Security	Password protection : configured by the administrator
Operating	
Temperature	5 ~ 50 °C (40 ~ 122 °F)
Power	
Power Requirement	DC 12 V ±10%
Power Consumption	7.5W
Physical	
Dimensions (WxHxD)	25 mm x 113 mm x 95 mm (0.98” x 4.45” x 3.74”)
Weight	200 g (0.44 lb)

ORDERING INFORMATION

Model Name	Full D1	CIF	4 MB Flash
SED-2100R	V		V
SED-2100S		V	V

DIMENSION DIAGRAM



Unit: mm [inch]

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