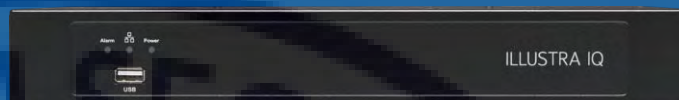


ILLUSTRA

Illustra 16-channel Video Encoder

Facilitating a Seamless
Transition to IP Infrastructure



Legacy System Integration and IP Conversion

Capable of encoding up to 16 HD analog inputs while retaining compatibility with existing coaxial cabling and cameras, offering a cost-effective solution for transitioning to IP-based video systems without infrastructure overhauls.



Video Management System Interoperability

Fully compatible with Exacq and VideoEdge platforms, ensuring seamless integration with widely adopted VMS systems used in enterprise applications.



Advanced Input/Output and Control Capabilities

Supports PTZ camera control via RS-485, two-way audio communication, and configurable digital I/O for alarm handling, event response, and system automation.



Efficient Video Encoding

Incorporates dual-stream H.264/H.265 video compression for optimized bandwidth and storage utilization across the network.

This high-performance network video encoder supports up to 16 HD analog video input channels, providing a reliable and efficient migration path from legacy analog systems to modern IP-based video surveillance solutions.

It is engineered to deliver robust performance, deployment flexibility, and simplified integration across diverse security environments.

Specifications

Video	
Video compression	H.265, H.264, MJPEG
Max. Resolution & frame rate	Per channel: 5MP at 6fps, 4MP at 8fps, 1080p at 15fps, 720p/540p/360p/270p at 30 fps
Frame rate range	1 – 30 fps
Bitrate control	CBR/VBR
Stream sharing	Up to 64 live streams
Pan/Tilt/Zoom	Supports analog PTZ camera control via Pelco D & Pelco P protocol
Audio	
Audio streaming	Two-way, full duplex
Audio compression	G.711 μ -law
Audio input/output	4-line input and 1-line output
Network	
Ethernet	RJ-45, 10/100/1000 Mbps (Gigabit ethernet)
Authentication and security	TLS, HTTPS (HTTP over TLS), WS-Security, Multi-level password protection, IP address filtering, HTTPS encryption, User access log, IEEE 802.1x, PEAP
Network Protocols	TCP/IP, IPv4, IPv6, FTP, SFTP, TCP, UDP, HTTP, LLDP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTSP, WS-discovery, UPNP, TLS, Unicast, Multicast, NTP, SMTP, WS-Security
Network management	SNMP v2c & SNMPv3
System Integrations	
Application programming	ONVIF Profile S/T
Video management systems	American Dynamics VideoEdge and Exacq
Event triggers	Motion and Alarm input
Event actions	E-mail notification
Browser supported	Microsoft Edge, Google Chrome, Mozilla Firefox, or Apple Safari
I/O Interfaces	
Alarm input	4-in, 3V~12V (High) / 0.5V (Low)
Auxiliary output	1-out, Relay contact 24Vdc 3A /120VAC 3A
Video output	HDMI, VGA and BNC
LED indicators	For power, network and alarm
I/O Connector	16x analog video BNC input 1x CVBS output 1x WAN port 2x USB port 1x RS485

Analytics

Application Motion detection with ROI

Regulatory

Safety UL 62368-1, CB: IEC 62368-1, cTUVus

Emission & Immunity CE, FCC

Environmental RoHS, WEEE, REACH

General

Users 10 simultaneous users

User account access level Admin/operator and user

Power rating DC12V/2A, 24W

Operating temperature 0°C to 40°C (32°F to 104°F)

Storage temperature -25°C to 70°C (-13°F to 158°F)

Operating humidity 0-95%, non-condensing

Dimensions 307.3(W) x 158.3(D) x 48.8(H)mm ± 5mm

Weight 1.42 kg (3.13 lbs.)

Shipping weight 2.4 kg (5.29 lbs.)

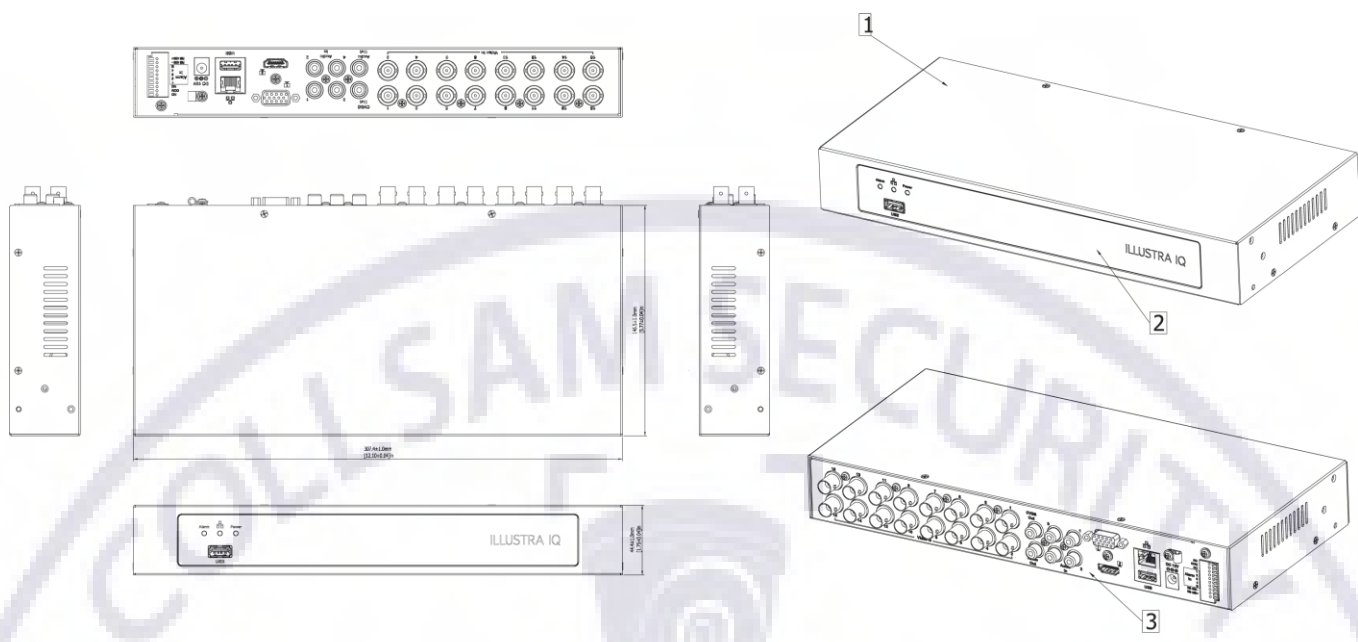
Casing Metals casing 1U standalone or rackmount
Color: EN532T Black sand texture

Warranty 3 Years

EST.



1998



Item Name	Material	Processing
1 Top Cover	Steel Electrolytic Cold Commercial Black paint and white printing	
2 Front Plate	Polycarbonate	Printing and adhesive backing
3 Bottom Case	Steel Electrolytic Cold Commercial Black paint and white printing	

