

## Trigger NG™ - Analytic Video Encoder

### The Cutting Edge of Proactive Behavior Detection

Leveraging field-proven video analysis algorithms, MATE DSP-based behavior detection solutions flexibly and effectively turn ordinary surveillance cameras into intelligent, proactive, real-time sensors. Built-in rules-based alert functionality including advanced object classification, enables users to precisely define which events warrant an alert, based on their unique needs.

Designed and built for the most challenging indoor and outdoor environments, MATE's robust DSP-based behavior detection products have built-in scene-learning algorithms that ignore disturbances – delivering high detection probability with extremely low false alarm rates (FAR).

By analyzing video feeds in real-time and alerting on pre-defined parameters, MATE's analytic video encoders help security organizations better focus and lower response times – without raising security operating costs.

### The Trigger NG™ Line of Products

The MATE Trigger New Generation (NG) line of DSP-based video encoders offers embedded video analytics by streaming MPEG4/MJPEG video and audio with analytics overlay via Ethernet. Trigger NG can also provide event metadata information to any third party application.

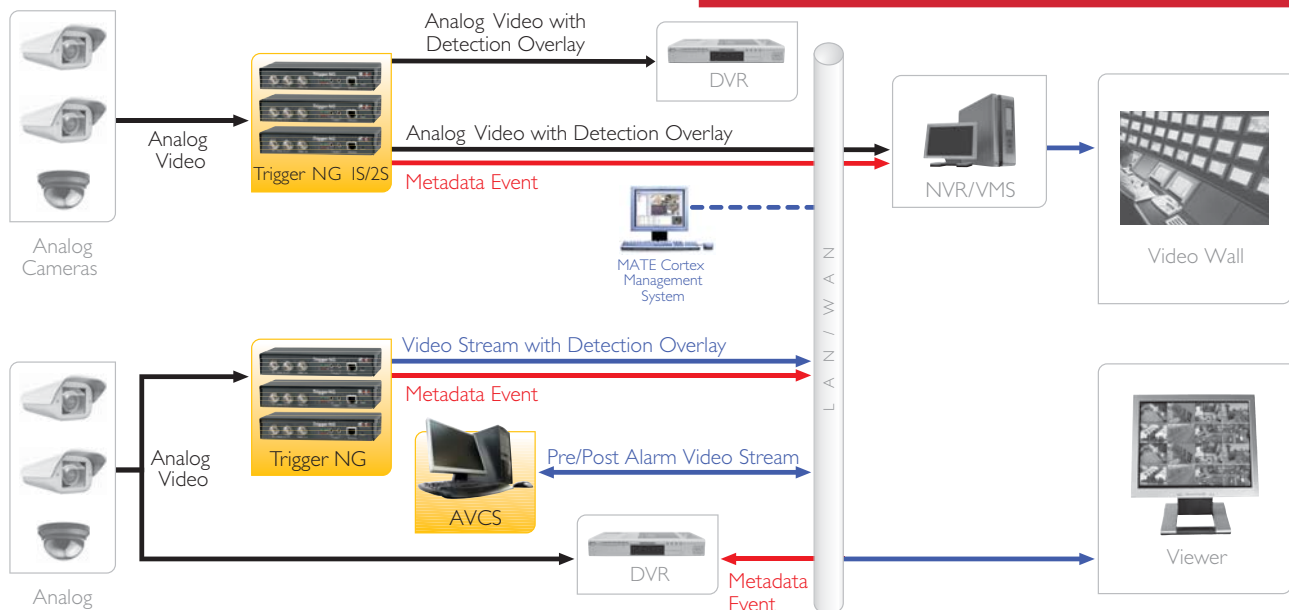
In conjunction with third party VMS and NVR solutions, Trigger NG offers a unique, state-of-the-art IP surveillance solution, easily compatible with today's high-performance CCTV and IP surveillance standards.

### Powerful Analytics

- Motion detection
- Static object detection
- Path detection
- Presence detection
- Directional motion
- Queue detection
- Crowd detection
- Object removal
- Object started
- Loitering
- Speed
- Object classification
- Rule dependency

### Why Trigger NG

- > Top notch video analytics
- > Open architecture for seamless integration
- > Scalable automated monitoring solution
- > Built-in rules-based alert engine enables multiple concurrent detection rules for each video
- > Encoder with embedded analytics
- > Object classification
- > Analog output with detection overlay
- > Analog/IP Video In





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## About MATE

MATE Intelligent Video is a global provider of cutting-edge, real time video analytics solutions for proactive video and IP surveillance, people and car counting. MATE's advanced video content analysis technology detects and analyzes potential threats and hazards, generating real-time alerts based on user's pre-defined parameters.

Founded in 1997, MATE has gained extensive experience in the video analytics field, and has positioned itself as a market leader. Leveraging an open architecture, MATE's flexible and field-proven solutions integrate easily into any network topology, and are sold, installed and supported by top tier systems integrators and distributors worldwide.

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## Key Trigger NG Features

- Optional pre- and post-event recording
- Low FAR (False Alarm Rate) in any environment or weather
- Multiple concurrent detection rules for each video input
- Analog video out with detection overlay
- Real-time camera tamper detection
- MPEG4/MJPEG compression, RTP/RTSP protocol, with CBR or VBR video and audio streams
- CIF or 4CIF, with up to 25 (PAL) and 30 (NTSC) FPS per channel
- Easy to use video detection rules and time-based schedules
- Rule dependency - create dependency between two regular rules with a condition such as "AND", "THEN", or, "REPEAT"
- Advanced human/vehicle classification
- Compact design offering wall or rack mount
- Low power consumption, 12V out for camera power/aux
- Bi-directional audio

## Centralized Management

Trigger-based solutions are centrally controlled and managed through the MATE Cortex™ video analytics management system. Cortex simultaneously manages all MATE devices, including multiple Trigger NG units and other video detection units.

Cortex features:

- Remote configuration and upgrades
- Live video and alarm display with object tracking overlay
- Event table for alarm browsing with alarm snap shot images
- Event review and search tools
- User policies and permissions
- Multi site status display with indication of disconnected or alarmed sites
- Map-based alarm display with multiple map and zooming capabilities

	Trigger NG 1S	Trigger NG 2S	Trigger NG
Video Compression standard	MPEG4/MJPEG	MPEG4/MJPEG	MPEG4/MJPEG
Resolution, framespersecond	4CIF: 25 PAL 30 NTSC	CIF: 25 PAL 30 NTSC	Event video transmission
Analog/IP video input	1	2	2
Video stream output	1	2	2
Streaming protocol	RTP/RTSP	RTP/RTSP	MATE proprietary
Interface Ethernet I0/100 Base-T	☒	☒	☒
Connector RJ-45 jack	☒	☒	☒
Power consumption (+12VDC)*	1A	1A	0.5A
12VDC out	☒	☒	☒
Size	3.3 cm x 18.0 cm x 10.2 cm; 1.3" x 7.09" x 4.02"	3.3 cm x 18.0 cm x 10.2 cm; 1.3" x 7.09" x 4.02"	3.3 cm x 18.0 cm x 10.2 cm; 1.3" x 7.09" x 4.02"
Weight	0.4 Kg / 0.88 lbs	0.4 Kg / 0.88 lbs	0.4 Kg / 0.88 lbs
Operating Temperature: -5° C to 45° C ; 23° F to 113° F	☒	☒	☒
Operating Humidity: 20% to 80%	☒	☒	☒

\* Power supply included

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.