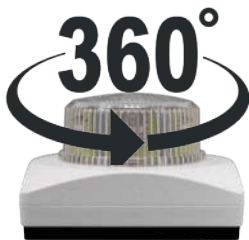# IP Visual Alerting for Safety, Security & Event Notification

The 8138 IP Color Visual Alerter is a PoE IP endpoint with multi-color LEDs for visual notification. The combination of amber, blue, green and red colors, selectable flash patterns and three levels of intensity allow 180 possibilities for distinctive alerting including steady-state on.

Activation is triggered by a telephone ring event using SIP registration to any leading VoIP UC cloud and premise platform. The 8138 can also be activated by multicast, RESTful API or integration with mass notification software platforms.

360° Visibility

Whether steady-state on or flashing, the bright LEDs of the 8138 are visible from any direction allowing installation in any orientation including wall or ceiling mount. Each color is produced by 16 separate ultra efficient and long-life LEDs pointing on axis and radially to provide up to 690 lumen flux and 190 peak candela.

Typical Applications

- Telephone ring in noisy environments
- Situational awareness (warning, danger, all clear, go, stop etc)
- Voice paging pre-alert or live alert
- Emergency, safety & security notification
- Notification for the hearing impaired
- Silent notification in quiet locations

Multicast Scalable

The 8138 can be activated by a SIP ring event and configured to simultaneously transmit a multicast stream over the network to trigger as many other 8138 IP Visual Alerters as required and keep them synchronized with each other.

Safety & High Brightness LEDs

The 8138 meets requirements of the IEC 62471 standard relating specifically to blue light and UV emission to be considered safe to view in all conditions. Photosensitive seizure is a risk for any flashing light however the 8138 includes a steady-state solid on option, low intensity settings and high frequency modulation for elimination of risk related to flicker.

Specifications

Power Input:	PoE IEEE 802.3af Idle nominal 2.0W maximum 12.95W
SIP:	50 SIP extensions for activation or cancellation of visual alerting. UDP, TCP, TLS, RTP, SRTP
Multicast:	Transmit/receive 50 zones IGMP, RTP, InformaCast, Revolution*, Polycom Group Page
Configuration:	Web interface or provisioning server
Web Interface:	HTTP, HTTPS
Provisioning:	TFTP, FTP, HTTP, HTTPS DHCP Options 66, 150, 160 Reboot via SIP check-sync
Networking:	IPv4, IPv6, DHCP, VLAN, MDNS
Link Layer:	LLDP, CDP
QoS:	DSCP
Supervision:	SNMP V3
NAT:	STUN, TURN, CRLF Keep Alive SIP Outbound
Address Resolution:	DNS, SRV Record
Redundancy:	Secondary and tertiary SIP server
Time:	NTP Server (up to four)
API Support:	RESTful API (developer support available from Algo)
Enclosure:	High impact UV stabilized flame retardant plastic with mounting plate and gasket kit
LEDs:	64 CREE LEDs (16 each amber, blue, green, red)
Flux:	370-690 Lumens (color dependent)
Peak Intensity:	102-190 Candela (color dependent)
Flash Patterns:	20 Configurable from 180 combinations of LED flash pattern, intensity, and color(s).
Optical Safety IEC 62471-21/TR 2009:	RISK GROUP EXEMPT Safe to view for all conditions
Viewer Risk Assessment IEEE Std 1789-2015:	For photosensitive seizure steady-state ON is LOW RISK. Flash patterns are considered MEDIUM RISK. Risk re flicker NO EFFECT (PWM >= 3 kHz)
Relay Output:	Normally open dry contact closure 50mA 30V Max. Activation event configurable.
Relay Input:	Detect normally open or normally closed dry contacts. Max 6.5 kOhm external resistance. Compatible with 1202 & 1203 Call Buttons. Contact Algo for application assistance using EOL resistors for supervision.
Environmental:	-40 to +123 deg F (-40 to +50 deg C) Outdoor/wet environments require installation using supplied gaskets on smooth surfaces or electrical box. IP66 rated if properly installed.
Dimensions:	4.8" W x 4.8" H x 3.0" D (12.2cm W x 12.2cm H x 7.6cm D)
Weight:	1.5 Lbs (0.7 kg)
Mounting:	Plastic mounting bracket included fitting single and double gang electrical boxes or low voltage brackets.
Regulatory Compliance:	IEEE 802.3-2018, RoHS, CE, FCC Class A, CISPR 32 Class A, CISPR 24, CSA/UL (USA & Canada) & IEC 62368-1

8138 Bottom View

8138 Mounting Bracket With Gasket

Ordering Information:
8138   IP Color Visual Alerter (ABGR)

Similar Products:
8128   IP White Visual Alerter
        (SIP Strobe Light)

Compatible Accessories for 8138:
1202   Call Button
1203   Call Switch