



ROADMETRIC



Mobile Video Law Enforcement with Surveillance Options



Processing unit



Parameter	Specification
Part Number	EDL-PU
Processor	Intel® Atom™ Bay Trail E3845 quad-core processor
Communications	Wi-Fi 802.11a/b/g/n Bluetooth V4.0 Mobile network broadband modem 3G/4G/LTE CAN bus port with compliance to CAN 2.0A and CAN 2.0B
GPS	1Ghz GPS embeded receiver
Graphics	Integrated Intel® HD Graphics
Memory	4GB DDR3 1333 MHz SDRAM
SATA HDD	Internal SATA 256GB SSD
DC Input	8~35V DC input
Ignition Control	Ignition power control with configurable on/off delay (V+/GND/IGN)
Dimension	205mm (W) x 146mm (D) x 44mm (H)
Weight	1.9 Kg
Operating Temperature	-25°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Humidity	10%~90% , non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes(w/ SSD, according to IEC60068-2-64)
Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
Mounting	Patented damping bracket for in-vehicle installation (R.O.C Patent No.M491752)

Front/Rear Camera



Parameter	Specification
Part Number	EDL -RCA
Resolution	1920x1080
Frame Rate	30 FPS
Megapixels	2.43MP
Chroma	Color
Sensor Name	Sony IMX139
Sensor Type	Progressive Scan CMOS
Readout Method	Rolling shutter
Sensor Format	1/2.8" Progressive Scan CMOS
Lens Mount	M12
Shutter Speed	1/25 s - 1/8,000 s Auto or manual control
Interface	IP PoE
Dimensions	47.5 x 47.5mm
Mass	130 g
Compliance	FCC, CE, Onvif 2.4
Temperature (Operating)	-10 °C ~ 50 °C
Temperature (Storage)	-30° to 70°C
Humidity (Operating)	Indoor use 80% RH, non-condensing
Humidity (Storage)	20 to 95% non condensation
Focal Length	3.8mm
Aperture Ratio	F1.2
Control	Fixed Iris /Manual 4x Optical Zoom/ Manual Focus
Operation Range	Focus: 0.5 m to infinity
Angle of View	T27.5° W98° (H)

Touch Screen



Parameter	Specification
Part Number	RM -TSA
Size	8 inches
Colors	256K
Resolution	1024x768
Aspect	4:3
Contrast	500:1
Inputs	VGA / Composit video / Audio
Power supply	9-36Vdc
Touch panel	USB/RS232
Dimension	210mm (W) x 280mm (D) x 170mm (H)
Weight	790 g
Operating Temperature	-20 to 60°C
Storage Temperature	-30°C to 80°C
Drop	10cm max. (1cm collision to display area)
Vibration	1G 2-500Hz
Shock	20G 11ms
Mounting	VESA 75
Compliance	IP65

Wireless Microphone



Parameter	Specification
Part Number	RM-BTM
Bluetooth version	BT3.0
Bluetooth profiles	HSP / HFP / A2DP / AVRCP
Bluetooth RF spec	CLASS 2
Encryption	128 bit key encryption
Battery	500MAh rechargeable / replacable
RF ppower	6db
RF seneitivity	-90db
RF frequency	2.4 – 2.835 GHz
Audio input	3db
Bandwith	20kHz
SNR	@8kHz: 79db
Audio output bandwidth	20Hz – 20kHz
CMRR	50db
Average standby current	6mA
Operation range	30 Meters
Phizical size	19.05 (W) x 57.15 (H) x 19.05 (D) mm
Mass	39.6 g
Humidity (Storage)	20 to 95% non condensation)

Antena



Parameter	Specification
Part Number	EDL-ANT
Band	698-960MHz / 1710-2700MHz / 2400-2700MHz / 5700-5800MHz and GPS (1575.42MHz)
Tunable Bandwidth	Full. No tuning required
Nominal Gain dBi	5 @ 698 - 960MHz / 6 @ 1710 - 2700MHz / 3 @ 2400-2700MHz / 7 @ 5700-5800MHz & 28 @ GPS (1575.42MHz)
Power W	50
VSWR	<2:1
Height mm	90 including gasket
Termination	Antenna Port: Fixed N-female GPS: TNC Female



Push Button



Parameter	Specification
Part Number	RM-PB
Interface	USB 2.0
Operation	Multi function jog dial
Power	5Vdc via USB
Phizical size	Ø55 x 40mm



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Solutions