



E7740G-M1-V1

Features

- 1/3" 4MP CMOS
- H.265+, H.265/H.264, dual stream
- Supports backlight compensation, highlight compensation, and 3D digital noise reduction
- Supports image flip, mirror, and rotation
- Supports dual light and smart dimming
- Supports 1 serial port, 1 I/O input, and 1 I/O output
- Supports accurate human detection and vehicle detection; Applicable to scenarios including electronic fence, intrusion detection and on-duty detection etc.
- Supports privacy mask
- Supports voice intercom, voice broadcast, custom voice
- ONVIF Profile S, T, G, M
- Plug-in free for mainstream browsers
- Supports Browser-based CMS



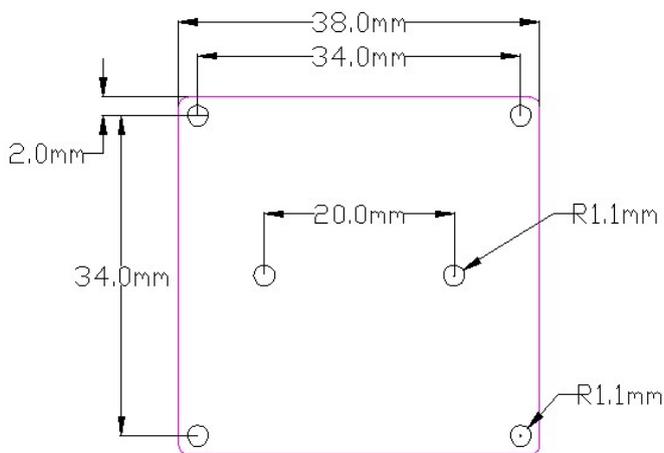
Specifications

Model	E7740G-M1-V1
Main Chip	37X, built-in 1T computing power
Image Sensor	4MP, 1/3" CMOS
Image Output	Main stream 30FPS (2560*1440, 2304*1296, 1920*1080, 1280*720)
	Sub stream 30FPS (640*360, 352*240)
	Image effects: Auto white balance, backlight compensation, and adjustable hue/brightness/contrast/saturation/sharpness
Audio	Standard: external two-way audio, 1-channel microphone input, 1-channel line out output
	G.711 codec; supports two-way audio intercom, audio-video synchronization



Network	1 x RJ45 10/100 M self-adaptive Ethernet port
TF	1× TF card slot, supports up to 512 GB
WIFI	Supports Wi-Fi 4/6(On-Board Not Equipped), dual-band, 802.11b/g/n/ax
Reset Key	Supports hardware reset
Indicator	Supports network connection status LED
IO Input/Output	1 x Input, 1 x Output
Network Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, IPv4, IPv6, UDP, SSL/TLS, SNMP, ARP, WebSocket, ONVIF
Standard	Human & vehicle classification (including non-motor vehicles), boundary detection, intrusion detection, region entering detection, region exiting detection and sound alarm linkage
Optional	Face capture, face recognition, pet detection, lane violation control, license plate recognition, baby detection, abnormal sound detection, occlusion detection, electronic fence, off-post detection, people counting, custom voice alarm
Power Supply	DC 12V
Operating Conditions	-30°C~+65°C(-22° F to +149° F), ≤95%RH
Dimension	Dual boards: 38 x 38 mm, board thickness 1.6 mm

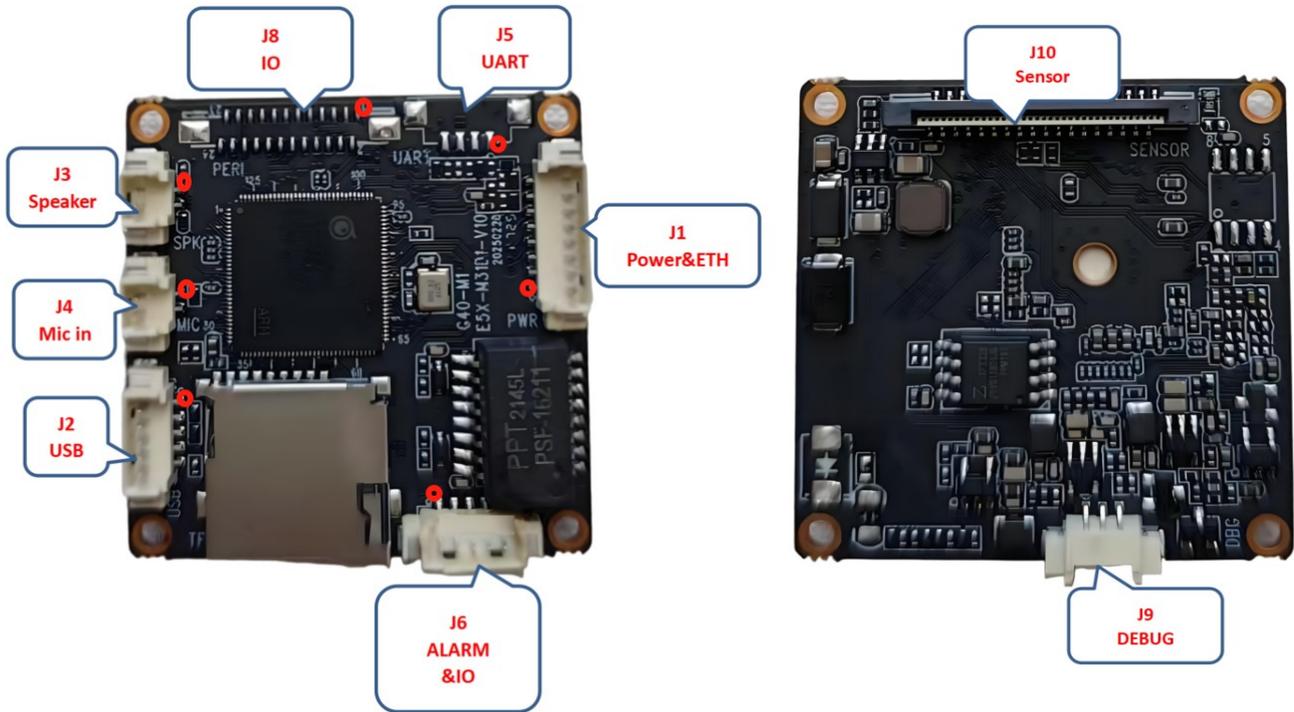
Board Size



TOP



Main Board



---Note:The circle point to pin 1

Interface Descriptions

J1 (Vertical SMT-8P-1.25MM) -----12V Power and Network Interface

Pin	Name	Function
1	12V_VIN	DC 12V IN
2	GND	GND
3	RX-	Receive Data-
4	RX+	Receive Data+
5	TX-	Transmit Date-
6	TX+	Transmit Date+
7	LED_LINK	Network Link LED
8	RST	Hardware Reset (like J7.11)

J2 (Vertical SMT-5P-1.25MM) ----**USB Interface**

Pin	Name	Function
1	3V3	3.3V Power Output
2	USB_DM	USB Differential Data -
3	USB_DP	USB Differential Data +
4	GND	GND
5	WIFI_EN	Wi-Fi Power Enable

J3 (Vertical SMT-2P-1.25MM) ----**External Speaker Interface**

Pin	Name	Function
1	GND	GND
2	LINE_OUT	External Speaker Data

J4 (Vertical SMT-2P-1.25MM) ----**External Microphone Interface**

Pin	Name	Function
1	MIC_IN	Microphone Positive
2	GND	GND

J5 (Vertical SMT-4P-1.25MM) ----**Serial Port Interface (Default NC)**

Pin	Name	Function
1	TX1	UART TX1
2	RX1	UART RX1
3	GND	GND
4	GPIO55/SPK_EN	GP1055, Reserved

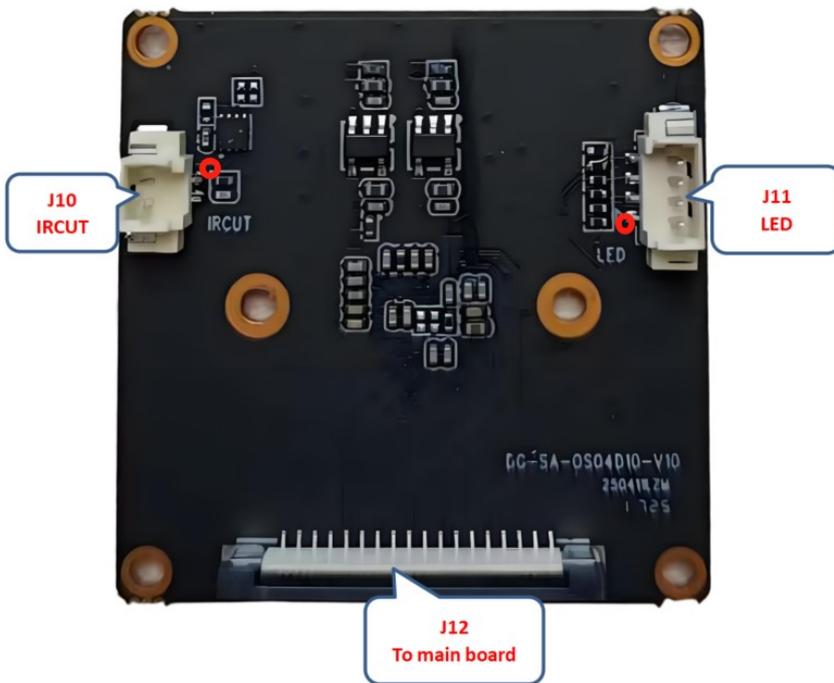
J6 (Vertical SMT-5P-1.25MM) ----**Alarm Interface**

Pin	Name	Function
1	FTX	Reserved, Fuart TX/Expandable Alarm Interface
2	FRX	Reserved, Fuart RX/Expandable Alarm Interface (for expansion)
3	ALARM_IN0	Alarm Input 0, Active Low for Alarm
4	GND	GND
5	ALARM_OUT0	Alarm Output 0, Active High for Alarm

J8 (2*12P Vertical Dual Row FPC) ----**IO Expansion, Contact Developer for Requirements (SPI/12C/SDIO/PWM, etc.)**

J9 Debug Port: TX, RX, GND (in order)

J10 Sensor Board Connection, 36P Opposite-Side 0.5mm FPC



---Note:The circle point to pin 1

J10 (Vertical SMT-2P-1.25MM) ----IR CUT

Pin	Name	Function
1	IRCUA	IRC Switch +
2	IRCUTB	IRC Switch -

J11 (Vertical SMT-4P-1.25MM) ----Light Board Interface

Pin	Name	Function
1	GND	GND
2	IR_CTRL	Default NC
3	WL_CTRL	White Light Enable, Active High, PWM Supported
4	ADC_DET	Photosensitive Detection (CDS, 3.3 V domain)

J12 Main board connection, 36P Opposite-Side 0.5mm FPC