

CHARACTERISTIC

- CPU Intel Atom Z8300 (1.44-1.83GHZ)
- 2G/32G 4G/64G (memory/disk)
- Supports external USB2.0x2 port
- Display HDMIx1, support 1920X1080 resolution
- Ethernet 1000Mx1 with support for GigE Vision cameras
- M12 12-pin connector for 12V/1A power input
- 1 input, 2 output interfaces can set output delay, no need to process in the program
- Support trigger x1, flash x1
- Support serial communication RS232x1
- Supports Windows 10 64bit, Ubuntu16.04 64bit system
- Built-in USB2.0 interface all the way to facilitate disassembly, can be used to connect the dog

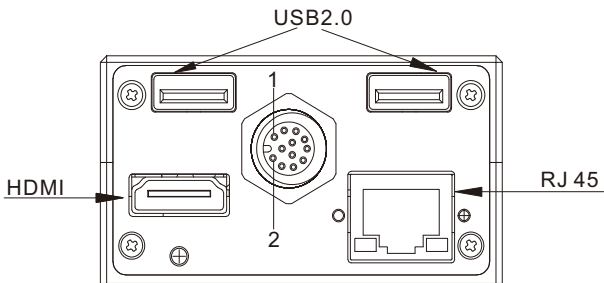


PARAMETERS

Model	MV-ITA2000C -T	MV-ITA2000M-T
Specifications		
Sensor	1" CMOS	
Mono/Color	Color	Mono
Resolution	20.0MP	
Pixel Size	2.4x2.4μm	
Shutter	Rolling shutter	
Sensitivity	1847mV 1/30S	
Pixel Bit Depth	12	
Frame Rate	5472x3678@19.5FPS	
Maximum Gain	22	
Exposure time(ms)	0.014-7217	
CPU frequency	1.44-1.83GHZ quad-core	
RAM	2G/4G	
Disk	32G/64G	
System	Windows10 64bit	
Video Output Format	Bayer8、Bayer12、Mono8、Mono12、Mono16、RGB24、RGB32、RGB48	
Interface	External USB2.0x2 port, 1000 network port x1, HDMI interface x1, Built-in USB2.0 interface x1	
I/ O port	1 optical isolation trigger input, 1 optical isolation flash output, 1 optical isolation input, 1 optical isolation output, support Rs232x1	
Power Requirements	12V	
Power	Maximum power 12W	
Lens Mount	CS-mount, to provide CS-mount to C-mount adapter ring	
Dimensions	64x105x35mm	
weight	<700g	
Working temperature	0~50	
Working humidity	20~80% No Condensation	
Storage temperature	-30~60	
Storage humidity	20~95% No Condensation	
Support system	DirectShow components Halcon special components Labview dedicated drive OCX components TWAIN components	
Programming language	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python	
Programmable control	Image size (ROI), camera, exposure time, GAMMA, contrast, brightness, custom LUT, mirror flip,RGB color gain, saturation, sharpness, color to mono, color temperature correction, anti-color, Color,trigger mode, frame rate control	

LINE SEQUENCE DEFINITION

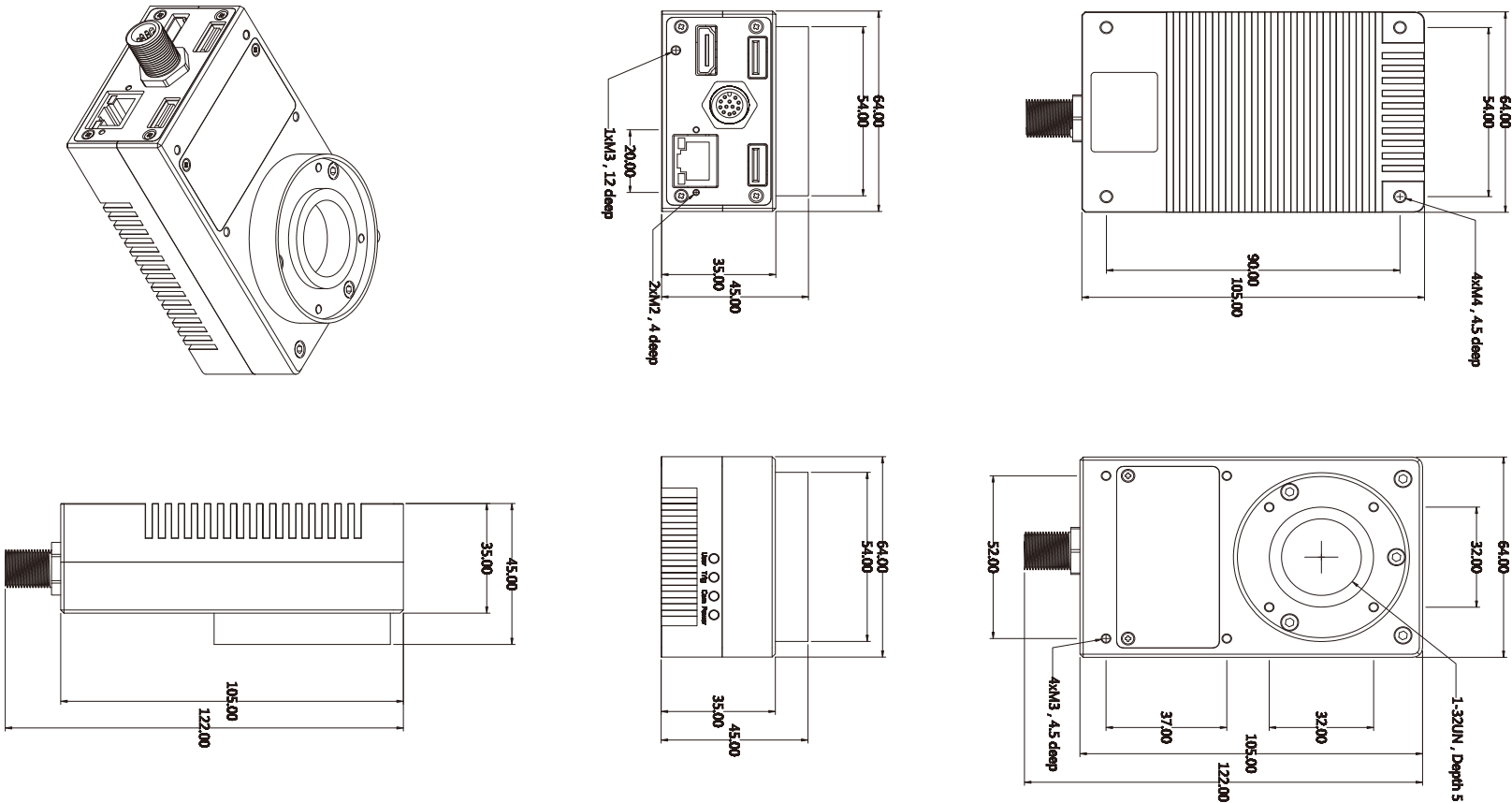
ITA Series



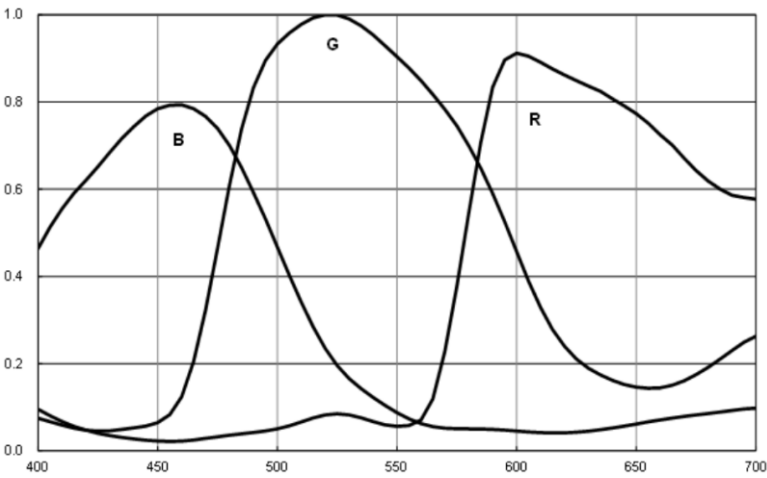
Type	Pin No	Line color	Signal	Description
ITA	1	Black	PWRGND	Camera power input negative
	2	Red	PWR12V	Camera power input positive
	3	Grey	UART_TX	Serial port sending
	4	Pink	UART_RX	Serial port reception
	5	Brown	TRIG-	Trigger input negative
	6	White	TRIG+	Trigger input positive
	7	Green	STRB+	Flash output positive
	8	Yellow	STRB-	Flash output negative
	9	Blue	GPIO_COM	GPIO common negative
	10	lilac	GP02+	GP02 positive output
	11	Purple	GP03+	GP03 positive output
	12	Orange	GP02	GP02 positive input

MECHANICAL SPECIFICATION

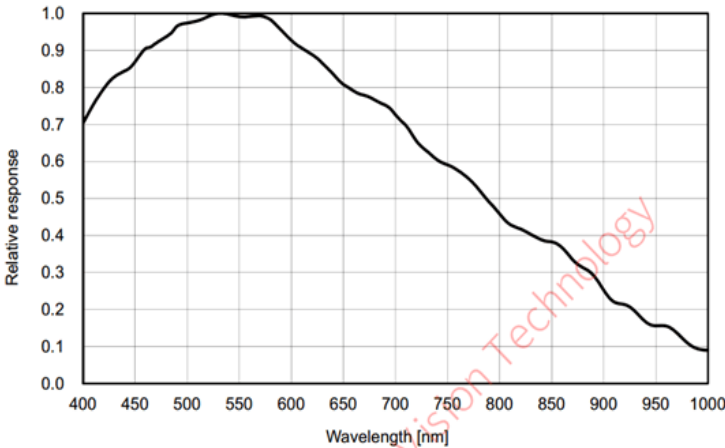
Unit:mm



SPECTRUM



MV-ITA2000C-T



MV-ITA2000M-T