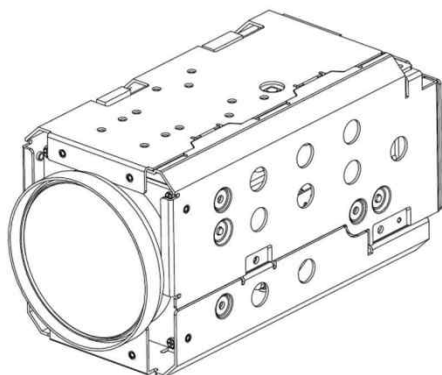


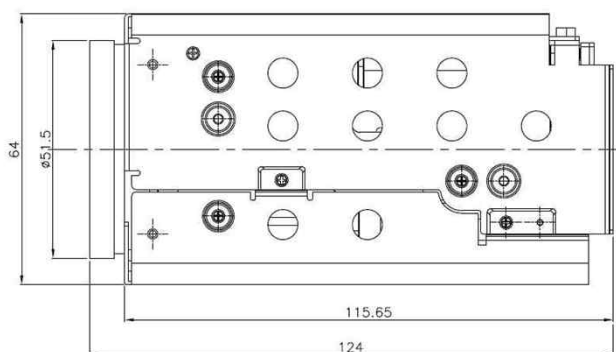
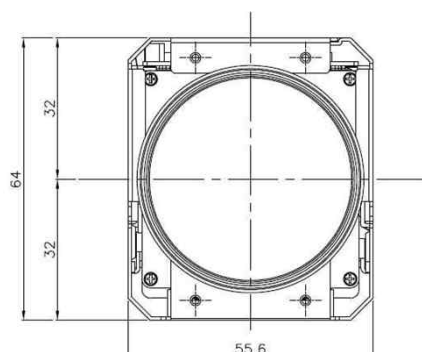
DCC-Z3520

CMOS VIDEO ZOOM MODULE

PARANTEK



Dimension



Main Features

- 1/2" Sony 3.75μm Color CMOS Image Sensor
- 2.1Mega Pixels – Maximum Full-HD(1920x1080p)
- Built-in Auto Focus Zoom Lens: 35x Optical (f=6~210mm)
- Built-in IR-Cut(650nm) OLPF
- WDR, DSS, 3D-NR Supported
- 1080p Digital Video(BT.1120) Out or SDI(Optional)
- Sony Visca, Pelco-D/P Protocol Compatible



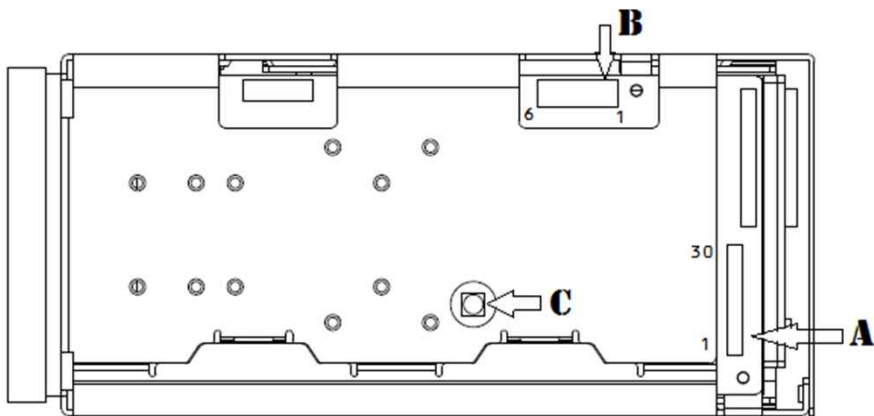
Specifications

Model	DCC-Z3520
Pickup Device	1/2"(D-8.35mm) 2.12M Panasonic CMOS Sensor
Scanning System	Progressive Scan (16:9)
Sync. System	Internal
Total Pixels	2.48M [2000(H)x1241(V)]
Effective Pixels	2.13M [1945(H)x1097(V)]
Min. Illumination	0.04Lux(Color), 0.0006Lux(With DSS on)
Mechanical ICR	Built-in
Video Out (LVDS)	BT.1120 1080p@25/30/50/60, 1080i@50/60, 720p@25/30/50/60 (0.4mm pitch 30pin Micro-coaxial Connector)
Video Out (SDI)	HD-SDI or EX-SDI SMPTE 292M(1.5Gbps) 1080p@25/30, 1080i@50/60, 720p@25/30/50/60 SMPTE 424M(3Gbps) : 1080p@50/60 Option: 1080i/p & 720p @59.94, 1080p & 720p@29.97
Lens	35x Optical Zoom (f=6~210mm, F1.5~F4.8) 12x Digital Zoom = Max. 420x
OSD	Via UART
Camera Title	Off, On(Max. 10 Characters)
Language	English, Russian, French, Spanish, Portuguese, German, Chinese(Simplified)
Exposure	Auto, Manual, Bright, Shutter, IRIS
White Balance	AWB, ATW, Push, Indoor, Outdoor, Manual
BLC	Off, WDR/BLC, ACE, ECLIPSE
Day & Night Mode	AUTO, COLOR, B/W, EXT
Gain Control	AGC (0~20)
Electronic Shutter	1/25(30)~1/40,000sec
Noise Reduction	3DNR (Off, Low, Middle, High)
DSS(Sens-up)	X30
Mirror	Off, On(Mirror, Flip)
Other Features	Motion Detection (4 Zones), Privacy Mask (8 Zones), Flickerless, Lens Shading, Gamma, DIS, Defog etc.
Communication	RS232C-TTL 3.3~5V / Default: 9600bps (Sony Visca, Pelco-D/P)
No. of Camera ID	Up to 255
Power Source	DC9V ~ 15V
Power Consumption	Less than 3.9 Watts (320mA)
Operating Temp.	-10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH)
Size (mm)	55.6(W) x 64(H) x 124(D)
Weight	386.5 g

DCC-Z3520

CMOS VIDEO ZOOM MODULE

Pin Connections

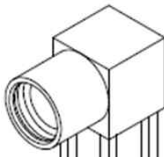


B – UART & Power

No.	Pin Item	No.	Pin Item
1	TXD (UART 5V OUT)	4	CVBS Output
2	RXD (UART 5V IN)	5	GND
3	KEY Input	6	DC (9~15V) PWR IN

Wafer DIP type: **1.25mm pitch – 6 pin**
Manufacturer: **Yeonho**
MFG Part Number: **12512WR-06 (1.25mm pitch)**

C – MMXC (for SDI)



A – LVDS & Etc.

No.	Pin Item	No.	Pin Item	No.	Pin Item	No.	Pin Item
1	TXOUT3+ (LVDS)	9	TXOUT0+ (LVDS)	17	DC IN (9~15V)	25	CVBS Output
2	TXOUT3- (LVDS)	10	TXOUT0- (LVDS)	18	DC IN (9~15V)	26	EXT. Reset: N/O(3.3V)
3	TXCLKOUT+ (LVDS)	11	GND	19	Key Input (Optional)	27	TXOUT5+ (LVDS)
4	TXCLKOUT- (LVDS)	12	TXD (5V)	20	GND	28	TXOUT5- (LVDS)
5	TXOUT2+ (LVDS)	13	RXD (5V)	21	TXOUT7+ (LVDS)	29	TXOUT4+ (LVDS)
6	TXOUT2- (LVDS)	14	DC IN (9~15V)	22	TXOUT7- (LVDS)	30	TXOUT4- (LVDS)
7	TXOUT1+ (LVDS)	15	DC IN (9~15V)	23	TXOUT6+ (LVDS)		
8	TXOUT1- (LVDS)	16	DC IN (9~15V)	24	TXOUT6- (LVDS)		

SMD type: **0.4mm pitch – 30 pin**
Manufacturer: **KEL**
MFG Part Number: **USL20-30S**