

Zoom Kamera 21Z20L

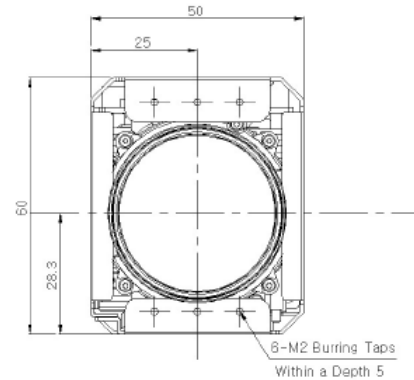
Code 10027195

1080p 60fps High Definition 20x Zoom Module

Dimensions [mm]



Front

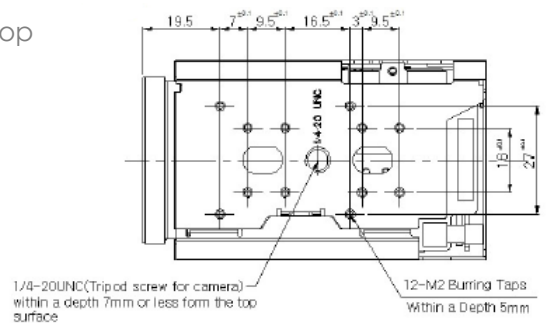


LVDS

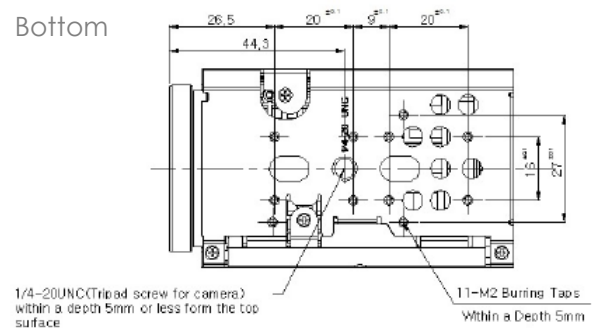
1/3" CMOS	60fps Full HD 1080p	Digital Signal LVDS	30fps REAL WDR
AF ZOOM	x20 ZOOM	3D DNR	DSS

- High Definition 20x Zoom Modul
- 1080/60p, 1080/50p, 1080/30p, 1080/50i, 1080/60i
- 720/60p, 720/50p, 720/30p, 720/25p
- 1/3" Sony Starvis CMOS sensor
- 2.1 M effective pixels
- 20x Optical Zoom 4.7 – 94 mm
- 12x Digital Zoom
- HD Output LVDS
- Day & Night (ICR)
- Advanced 2D and 3D noise reduction
- Digital Image Stabilizer
- Minimum Illumination 0.005 lx
- VISCA, Pelco-D, Pelco-P protocol
- Programmable factory preset
- High Performance Digital Signal Processor
- Various customizable settings
- Picture Freeze Function
- Spot AE

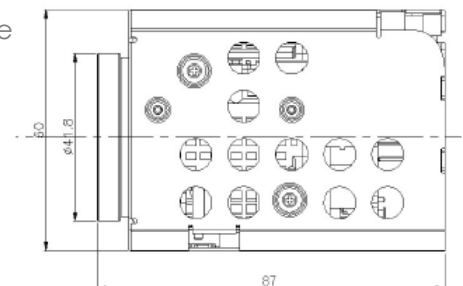
Top



Bottom



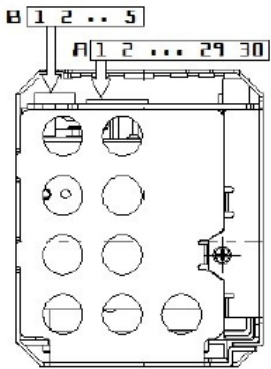
Right Side



Specification

Image Sensor	1/3" Sony Starvis CMOS Sensor
Scanning System	Progressive Scan
Sync. System	Internal
Resolution	Digital : 1080p/60(50)fps, 1080p/30(25)fps, 720p/60(50)fps, 720p/30(25)fps
Min. Illumination	Color 0.1 lux, Color DSS 0.005 lux
Video Output	HD: LVDS
Lens Type	x20 Day & Night Zoom Lens
Zoom Ratio	Optical x20, Digital x12 Zoom
Focal Length	f = 4.7 mm ~ 94 mm
Aperture Ratio	F1.6 (wide) ~ F3.5 (tele)
Angle of View (H)	57.4° (Wide), 3.2° (Tele)
Focus	Mode / Distance / Zoom Speed / Lens Refresh / E.Zoom
Mode	Auto / One Push / Manual
Min. Distance	0.1 m (Wide), 1.5 m (Tele)
Lens Refresh	One Push / 1 ~ 10Day
Digital Zoom	Off / MAX x2 ~ x12
Exposure	Auto / Iris.P / Shut.P / Manual
Gain Control(AGC)	Off / On
Shutter Speed	1/30 (25) ~ 1/30.000 sec
WDR/BLC	Off / WDR / BLC / HLC
Day&Night	AGC / TDN (ICR)
White Balance	Auto / One Push / Manual / Indoor / Outdoor
HLC	Off / On / Night Only
Mirror	Off / H / V / H&V
HD Format	1080p/30(25)fps / 1080p/60(50)fps / 1080i/50 / 1080i/60 720p/30(25)fps / 720p/60(50)fps
Communication	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200
	Protocol : VISCA / Pelco-D / Pelco-P
Language	English
Power Source	7 V to 15V DC
Power Consumption	Max 5 W
Power Input	Connector
Video Output	Connector
Storage Temperature	-20°C ~ +60°C (Humidity : 0%RH ~ 90%RH)
Operating Temperature	-10°C ~ +50°C (Humidity : 0%RH ~ 90%RH)
Dimensions	50(W) x 60(H) x 87(D)
Weight	240 g

Pin Assignment



KEL USL00-30L

1	TXOUT3+ (LVDS)
2	TXOUT3- (LVDS)
3	TXCLKOUT+ (LVDS)
4	TXCLKOUT- (LVDS)
5	TXOUT2+ (LVDS)
6	TXOUT2- (LVDS)
7	TXOUT1+ (LVDS)
8	TXOUT1- (LVDS)
9	TXOUT0+ (LVDS)
10	TXOUT0- (LVDS)
11	GND
12	TXD (UART 5V output)
13	RXD (UART 5V input)
14	DC (9 ~ 15 V)
15	DC (9 ~ 15 V)
16	DC (9 ~ 15 V)
17	DC (9 ~ 15 V)
18	DC (9 ~ 15 V)
19	KEY input
20	GND
21	TXOUT7+ (LVDS)
22	TXOUT7- (LVDS)
23	TXOUT6+ (LVDS)
24	TXOUT6- (LVDS)
25	CVBS output (optional)
26	EXT. Reset: Reset Low (GND), Normal Open (3.3 V)
27	XOUT5+ (LVDS)
28	TXOUT5- (LVDS)
29	TXOUT4+ (LVDS)
30	TXOUT4- (LVDS)

Recommended cable ASSY
Cables – micro coaxial cable
#42AWG
Connectors – USL20-30S (KEL)

