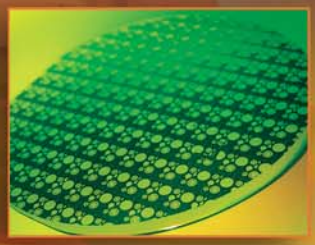
TOSHIBA

IK-TF9C

3-MEGA PIXEL 3 CCD COLOUR CAMERA



3-MEGA PIXEL

3 CCD

PROGRESSIVE SCAN

COLOUR CAMERA

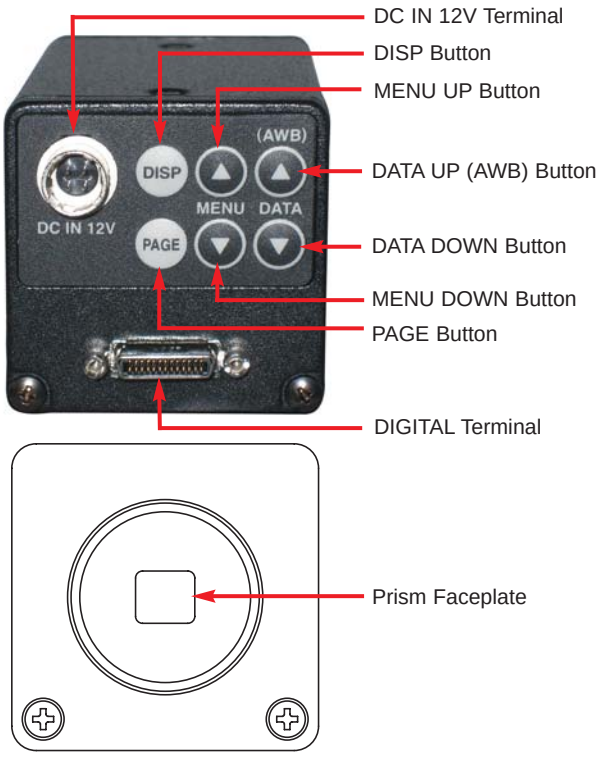
- 3 Progressive Scan CCD Sensors
- Output Resolution of 2048 x 1536
- Video Output – Camera Link
- 20 frames/sec (full frame)
- Partial Scan 30 frames/sec and 40 frames/sec
- Ultra Compact Size
- On-screen and RS-232 Setup
- Asynchronous Reset
- Pulse Width Trigger
- C-Mount Lens Mount

IK-TF9C

3 MEGA PIXEL 3CCD COLOUR CAMERA

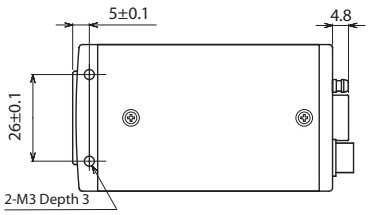
SPECIFICATIONS

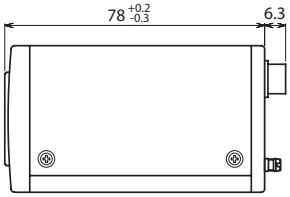
Scanning System	Progressive Scan
Image Sensor	3 x 1/3” CCD
Effective Pixels	1034 x 779
Output Pixels	2048 x 1536 (by way of 1/2 pixel offset)
Frame Rate	20 frames per second (full frame)
Partial Scan	30 fps (972 lines); 40 fps (644 lines)
Pixel Size	4.65 µm (H) x 4.65 µm (V)
Clock	80.87 MHz
Output Interface	Camera Link
Output Signal	8-bit RGB
Sync Signal Output	FVAL/LVAL/DVAL
Gamma Correction	Yes
White Balance	AWB/Manual
Gain	Manual, OFF (odB)
Input Power	12VDC +/- 10%
Minimum Illumination	10 Lux at F2.2
Lens Mount	C-mount
Ambient Temp.	0ºC - 40ºC
Ambient Humidity	Less than 90%
Weight	165g
Dimensions	44 mm x 44 mm x 78.3 mm

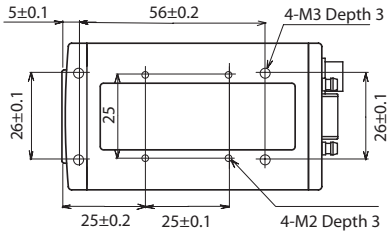


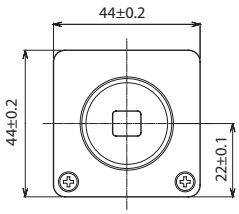
DIMENSIONS

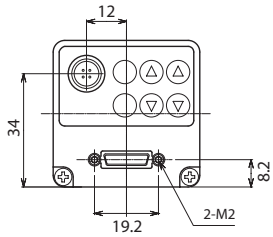
Measurements in Millimeters







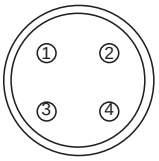




CONNECTOR PIN ASSIGNMENTS

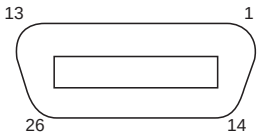
DC IN 12V

1	+12V
2	+12V
3	GND
4	GND



Connector used:
HR10A-7P-4PB
(HIROSE electronics
Co. Ltd.) or equivalent

DIGITAL				Function	I/O
1	GND	14	GND		-
2	X0-	15	X0+		O
3	X1-	16	X1+		O
4	X2-	17	X2+		O
5	Xcllk-	18	Xcllk+		O
6	X3-	19	X3+		O
7	SerTC+	20	SerTC-	Serial communication control (RXD)	I
8	SerTFG-	21	SerTFG+	Serial communication control (TXD)	O
9	CC1-	22	CC1+	Trigger pulse input	I
10	CC2+	23	CC2-	Partial scanning control	I
11	CC3-	24	CC3+	NC	-
12	CC4+	25	CC4-	NC	-
13	GND	26	GND		-



Connector used:
12226-51000-00 (3M)
or equivalent

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