Color Linear Camera MLCA73-18k

Surface Imperfection Inspection / AOI / Image Scanning Application

Color linear CCD with 7300 x 3 effective pixels

Senor size of 10 x 10 μm

Line rate of 17.5K line/sec

Data rate of 6 x 70 MHz

Camera Link® Medium Interface

Lens mount of M72 x 0.75

Supports gain and offset adjustments

Supports free run & external trigger modes
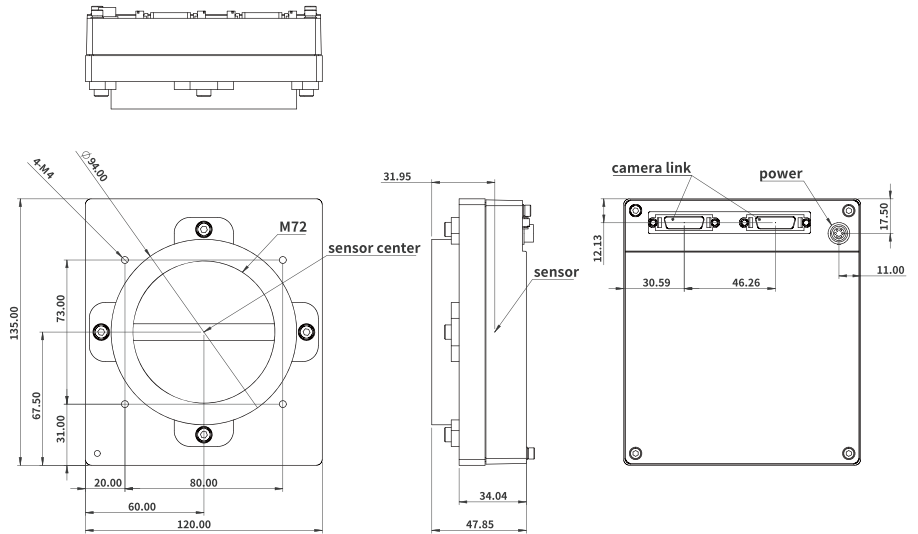
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Color Line Scan Camera

MLCA73-18k is high-speed and high-resolution cameras which is developed exclusively by Microtek for industrial inspections, combing with professionally scanner manufacturing experiences in years. MLCA73-18k is a line scan CCD camera with three lines (R/G/B) sensors for color image capture, offering excellent color reproduction. Equipped with a large image pixel sensor of 10 x 10 µm, it can provide superior sensitivity for camera. With a line rate of up to 17.5 kHz and a resolution of 7300x3 pixels, the MLCA73-18k camera is appropriate for inspecting defects which can be found at the printing industry, fabric surface, copper foil surface, fiberglass threads, flat panel displays and so on. In general, MLCA73-18k is a cost-effectiveness color line scan camera which can enhance working efficiency apparently.

Industrial Applications

Fabric Inspection
Food Inspection
PCB Inspection
Flat Panel Inspection
Inspections of Fiberglass Threads
Inspections of Glass and Semiconductor
Prepress Inspection
Image Scanning Application

Dimensions

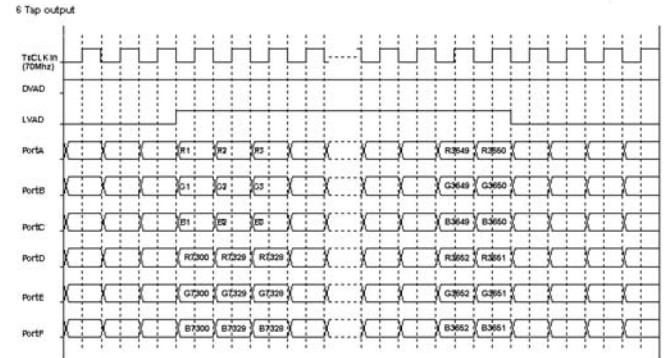### Camera Control Configuration

Name	Function
CC1	ExSync (External Sync.)
CC2	N / A
CC3	Select mode
CC4	N / A

Power Supply Connector Pin Assignment

Name	Function
Pin1	Power
Pin2	Power
Pin3	N.C
Pin4	N.C
Pin5	GND
Pin6	GND

Timing Chart

Specifications

Camera Type	Color Line Scan Camera	Gain & Offset Range	Programmable control	Lens Mount	M72 x 0.75
Image Sensor	Color Trilinear CCD	Exposure Time Control	Edge-controlled mode、Fixed exposure time	Dimensions	135 x 120 x 48 mm
Number of Pixels	7300 pixels x 3 lines	Trigger Mode	Free run、External trigger	Weight	0.8 kg
Pixel Size	10 x 10 µm	Camera Control	CC1 (ExSync)、CC3 (Select mode)	Power Supply	12 V ~ 15 V
Line interval	40 µm(10 µm x 4 lines)	Connectors	Power: Hirose HR10 6-pin (x1)	Power Consumption	15 W
Video Output Format	8-bit x 3, 6 taps		Data: Camera Link, female MDR 26-pin (x2)	Operating Temperature	5° ~ 40° C
Video Output Protocol	Camera Link® Medium				
Line Rate	17.5k line / sec.				
Date Rate	6 x 70 MHz				

* For more details on product, please contact your local Microtek sales or dealers.

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