Camera Selection Guide

Please check out the on-line
Camera Selection Guide at

www.jai.com

See the possibilities

MULTI CCD CAMERAS / AREA SCAN

3-CCD AREA SCAN CAMERAS

3CCD

AT-200CL

UXGA 3-CCD Color Camera

- 1/1.8"progressive scan CCD x 3
- 1628(h) x 1236(v)
- Cell size 4.40 x 4.40 µm
- Pixel clock 50 MHz
- 20 frames/sec.
- C-mount
- Shutter 1/20 ~ 1/51,000 sec.
- 24/30/36 bit RGB output
- Camera Link
- 55 (w) x 55(h) x 98.3(d) mm

3CCD

AT-200GE

UXGA 3-CCD Color Camera

- 1/1.8"progressive scan CCD x 3
- 1624(h) x 1236(v)
- Cell size 4.40 x 4.40 µm
- Pixel clock 37.125 MHz
- 15 frames/sec.
- C-mount
- Shutter 69µs ~ 64.93ms
- 24/30 bit RGB output
- GigE Vision
- 55 (w) x 55(h) x 98.3(d) mm

3CCD

AT-140CL

SXGA 3-CCD Color Camera

- 1/2"progressive scan CCD x 3
- 1392(h) x 1040(v)
- Cell size 4.65 x 4.65 µm
- Pixel clock 50 MHz
- 25 frames/sec.
- C-mount
- Shutter 1/25 ~ 1/53,000 sec.
- 24/30/36 bit RGB output
- Camera Link
- 55 (w) x 55(h) x 78.3(d) mm

3CCD

AT-140GE

SXGA 3-CCD Color Camera

- 1/2"progressive scan CCD x 3
- 1392(h) x 1040(v)
- Cell size 4.65 x 4.65 µm
- Pixel clock 42.954 MHz
- 20 frames/sec.
- C-mount
- Shutter 66µs ~ 48.15ms
- 24/30 bit RGB output
- GigE Vision
- 55 (w) x 55(h) x 98.3(d) mm

3-CCD AREA SCAN CAMERAS

3CCD

CV-M9CL

XGA 3-CCD Color Camera

- 1/3"progressive scan CCD x 3
- 1024(h) x 768(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 33.75 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/50,000 sec.
- 24/30bit RGB output
- Camera Link
- 60(w) x 50(h) x 99(d) mm

3CCD

CV-M9GE

XGA 3-CCD Color Camera

- 1/3"progressive scan CCD x 3
- 1024(h) x 768(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 33.75 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/50,000 sec.
- 24/30 bit RGB output
- GigE Vision
- 55(w) x 55(h) x 120(d) mm

3CCD

CV-M91

3-CCD Analog Color Camera

- 1/3"interlaced scan CCD x 3
- 744(h) x 575(v)
- Cell Size 6.5 x 6.25 µm
- Pixel clock 14.25 MHz
- 2:1 interlace/non-interlace
- C-mount
- Shutter 1/25 ~ 1/10,000 sec.
- RGB, VBS, Y/C output
- 60(w) x 50(h) x 130(d) mm

*NTSC version available

NOTE: Lens requirement for multi CCD cameras
To obtain the best possible image, it is recommended to use lenses designed for 3CCD cameras.

2-CCD AREA SCAN CAMERAS

2CCD NIR

AD-080CL/AD-080GE

XGA 2CCD Camera
(Color x Monochrome NIR)

- 1/3"progressive scan CCD x 2
- 1024(h) x 768(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 33.75 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/50,000 sec.
- 24bit RGB or 8/10bit Raw data & 8/10bit Mono.NIR /Camera Link
- 24/30bit RGB or 8/10/12bit Raw data & 8/10bit Mono.NIR /GigE Vision
- 55(w) x 55(h) x 80(d) mm (CL)
- 55(w) x 55(h) x 98.3(d) mm (GE)

2CCD

AD-081CL/AD-081GE

XGA 2CCD Camera
(Monochrome x Monochrome)

- 1/3"progressive scan CCD x 2
- 1024(h) x 768(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 33.75 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/50,000 sec.
- 8/10bit 2ch/Camera Link
- 8/10/12bit 2ch/GigE Vision
- 55(w) x 55(h) x 80(d) mm (CL)
- 55(w) x 55(h) x 98.3(d) mm (GE)

JAI's multi spectrum imaging solution

JAI develops innovative multi-CCD cameras capable of providing simultaneous images of different light spectrums through a single optical path. This multi-spectral technology can replace multiple inspection stations with a one-camera solution offering easier setup, greater accuracy, and lower equipment cost.

For example, JAI' s AD-080 series splits the incoming light into two separate channels – a visible color channel from 400-700 nm and a near-infrared (NIR) channel at 750-900 nm. This enables simultaneous inspection of surface colors or printing, as well as sub-surface defects or other information which can only be detected using NIR wavelengths.

LEFT: The color channel inspects the print quality of the package

RIGHT: The NIR channel examines the quality of the contents inside

LINE SCAN CAMERAS

LQ-200CL NIR

RGB + NIR
4CCD Line Scan Camera

- 2048 pixels x 4 CCD
- Cell Size 14.0 x 14.0 µm
- Pixel clock 40 MHz
- Line rate 19.048 kHz
- M52 or Nikon F-mount*
- 32/40bit RGB & NIR
- Camera Link
- 90(w) x 90(h) x 120(d) mm

*F-mount factory option

LQ-100CL NIR

RGB + NIR
4CCD Line Scan Camera

- 1024 pixels x 4 CCD
- Cell Size 14.0 x 14.0 µm
- Pixel clock 52.5 MHz
- Line rate 48.79 kHz
- M52 or Nikon F-mount*
- 32/40bit RGB & NIR
- Camera Link
- 90(w) x 90(h) x 120(d) mm

*F-mount factory option

LT-400CL

3CMOS Line Scan Camera

- 4096 pixels x 3 CMOS
- Cell Size 7.0 x 7.0 µm
- Pixel clock 80 MHz
- Line rate 16.201 kHz
- M52 or Nikon F-mount*
- 24/30bit RGB output
- Camera Link
- 90(w) x 90(h) x 90(d) mm

*F-mount factory option

LT-200CL

3CMOS Line Scan Camera

- 2048 pixels x 3 CMOS
- Cell Size 14.0 x 14.0 µm
- Pixel clock 80 MHz
- Line rate 27.62 kHz
- M52 or Nikon F-mount*
- 24/30bit RGB output
- Camera Link
- 90(w) x 90(h) x 90(d) mm

*F-mount factory option

CV-L107CL

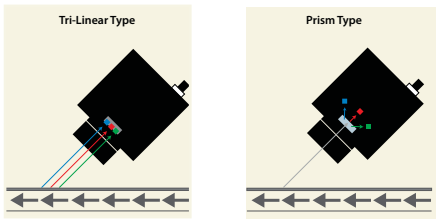
3CCD Line Scan Camera

- 2048 pixels x 3 CCD
- Cell Size 14.0 x 14.0 µm
- Pixel clock 40 MHz
- Line rate 19.048 kHz
- Nikon F-mount
- 24/30bit RGB output
- Camera Link
- 90(w) x 90(h) x 90(d) mm

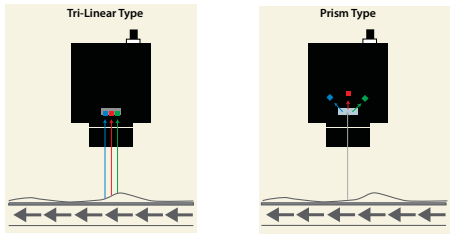
CV-L108CL

- 512 pixels x 3 CCD
- Line rate 70.922 kHz

Advantages of 3-CCD/3-CMOS Linescan camera



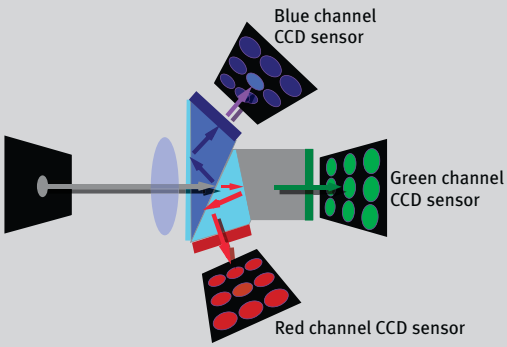
Imaging at an angle
When a tri-linear camera is positioned at an angle to the viewing surface, substantial compensation must be performed in the pre-processing circuit to account for issues caused by the spacing between the R, G, and B sensors. 3-CCD or 3-CMOS cameras do not require such compensation due to their single optical axis, so pre-processing power can be devoted to other tasks.



Inspection of objects with a wavy or undulating surface
Wavy or undulating materials can make it nearly impossible to calculate when each tri-linear sensor will be scanning the same line on a continuous web surface. 3-CCD and 3-CMOS cameras capture images via a single optical axis, eliminating parallax issues and enabling objects with wavy surfaces to be easily inspected.

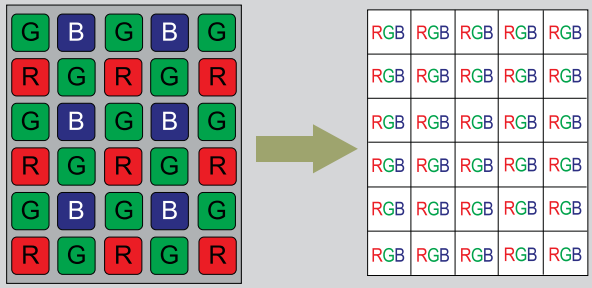
Prism-based RGB color output vs. Bayer format color interpolation

prism based 3-CCD camera



Dichroic coatings on the prism surfaces separate the incoming light into red, green, and blue wavelengths which are directed to three precisely-aligned CCDs. Combining the values from the same location on each of the sensors, yields a highly accurate RGB value for each pixel in the image.

Bayer filter on a 1-CCD color camera



A pre-defined pattern of filters is affixed to the sensor, causing each pixel to become sensitive to only one color. A process called interpolation is then used to estimate approximate RGB values by looking at each pixel's own value, plus the values of a small group of neighboring pixels.

C3 Camera Suite

1-CCD HIGH PERFORMANCE MODELS

AM-1600GE/AB-1600GE
AM-1600CL/AB-1600CL

16Megapixels

- 43.3mm diag. prog.scan CCD
- 4872(h) x 3248(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 30 MHz
- 3 frames/sec.
- M42 mount or F-mount*
- Shutter 296µs ~ 328ms
- 8/10/12bit GigE Vision(GE)
- 8/10/12bit CameraLink(CL)
- 55(w) x 55(h) x 120(d) mm
- Color version AB-1600GE
  AB-1600CL

*F-mount Factory Option

AM-800GE/AB-800GE
AM-800CL/AB-800CL

8Megapixels

- 4/3"progressive scan CCD
- 3296(h) x 2472(v)
- Cell Size 5.5 x 5.5 µm
- Pixel clock 40 MHz
- 10.3 frames/sec. (GE)
  17 frames/sec. (CL)
- F-mount or C-mount
- Shutter 10µs ~ 58.73ms
- 8/10/12bit GE or CL
- 8bit RGB output (AB-800GE/CL)
- 55(w) x 55(h) x 98(d) (F-mount)
- 55(w) x 55(h) x 69(d) (C-mount)
- Color version AB-800GE, AB-800CL

BM-500GE/BB-500GE
BM-500CL/BB-500CL

5Megapixels

- 2/3"progressive scan CCD
- 2456(h) x 2058(v)
- Cell Size 3.45 x 3.45 µm
- Pixel clock 60 MHz
- 15 frames/sec.
- C-mount
- Shutter 64.13µs ~ 66.44ms
- 8/10/12bit GE or CL
- 55(w) x 55(h) x 55(d) mm
- Color version BB-500GE
  BB-500CL

AM-201GE/AB-201GE
AM-201CL/AB-201CL

2Megapixels HDTV

- 2/3"progressive scan CCD
- 1920(h) x 1080(v)
- Cell Size 5.5 x 5.5 µm
- Pixel clock 60 MHz
- 39.7 frames/sec. (GE)
  64 frames/sec. (CL)
- C-mount
- Shutter 10µs ~ 15.6ms
- 8/10/12bit GE or CL
- 8bit RGB output (AB-201GE/CL)
- 55(w) x 55(h) x 69(d) mm
- Color version AB-201GE, AB-201CL
- UXGA version AM/AB-200GE/CL
  1600(h) x 1200(v) 68 frames/sec.

NIR BM-141GE/BB-141GE

SXGA GigE Vision

- 2/3"progressive scan CCD
- 1392 (h) x 1040 (v)
- Cell size 6.45 x 6.45 µm
- Pixel clock 58 MHz
- 30 frames/sec.
- C-mount
- Adjustable back focus
- Shutter 63µs ~ 33.192ms
- 8/10/12bit GigE Vision
- 55(w) x 55(h) x 55(d) mm
- Color version BB-141GE

1-CCD STANDARD MODELS

CM-200GE/CB-200GE

UXGA GigE Vision Camera

- 1/1.8"progressive scan CCD
- 1624(h) x 1236(v)
- Cell Size 4.4 x 4.4 µm
- Pixel clock 65 MHz
- 25 frames/sec.
- C-mount
- Shutter 64µs ~ 40.032ms
- 8/10bit GigE Vision
- 44(w) x 29(h) x 75(d) mm
- Color version CB-200GE

CM-140GE/CB-140GE

SXGA GigE Vision Camera

- 1/2"progressive scan CCD
- 1392(h) x 1040(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 65 MHz
- 31 frames/sec.
- C-mount
- Shutter 61.168µs ~ 32.17ms
- 8/10bit GigE Vision
- 44(w) x 29(h) x 75(d) mm
- Color version CB-140GE

CM-080GE/CB-080GE

XGA GigE Vision Camera

- 1/3"progressive scan CCD
- 1032(h) x 778(v)
- Cell Size 4.65 x 4.65µm
- Pixel clock 33.75 MHz
- 30 frames/sec.
- C-mount
- Shutter 84.148µs ~ 33.238ms
- 8/10bit GigE Vision
- 44(w) x 29(h) x 75(d) mm
- Color version CB-080GE

CM-040GE/CB-040GE

SVGA GigE Vision Camera

- 1/2"progressive scan CCD
- 776(h) x 582(v)
- Cell Size 8.3 x 8.3 µm
- Pixel clock 33.75 MHz
- 61 frames/sec.
- C-mount
- Shutter 54.874µs ~ 16.353ms
- 8/10bit GigE Vision
- 44(w) x 29(h) x 75(d) mm
- Color version CB-040GE

CM-030GE/CB-030GE

VGA GigE Vision Camera

- 1/3"progressive scan CCD
- 656(h) x 494(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 90 frames/sec.
- C-mount
- Shutter 43.2µs ~ 11.037ms
- 8/10bit GigE Vision
- 44(w) x 29(h) x 75(d) mm
- Color version CB-030GE

CM-200MCL/CB-200MCL

UXGA Mini-Camera Link

- 1/1.8"progressive scan CCD
- 1620(h) x 1236(v)
- Cell Size 4.4 x 4.4 µm
- Pixel clock 65 MHz
- 25 frames/sec.
- C-mount
- Shutter 1/25 ~ 1/10,000 sec.
- 8/10bit Mini-Camera Link*
- 44(w) x 29(h) x 66(d) mm
- Color version CB-200MCL

*PoCL version available

NIR CM-141MCL/CB-141MCL

SXGA Mini-Camera Link

- 2/3"progressive scan CCD
- 1392(h) x 1040(v)
- Cell Size 6.45 x 6.45 µm
- Pixel clock 58 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/10,000 sec.
- 8/10/12bit Mini-Camera Link*
- 44(w) x 29(h) x 75(d) mm
- Color version CB-141MCL

*PoCL version available

CM-140MCL/CB-140MCL

SXGA Mini-Camera Link

- 1/2"progressive scan CCD
- 1392(h) x 1040(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 65 MHz
- 31 frames/sec.
- C-mount
- Shutter 1/31 ~ 1/10,000 sec.
- 8/10bit Mini-Camera Link*
- 44(w) x 29(h) x 66(d) mm
- Color version CB-140MCL

*PoCL version available

CM-040MCL/CB-040MCL

SVGA Mini-Camera Link

- 1/2"progressive scan CCD
- 776(h) x 582(v)
- Cell Size 8.3 x 8.3 µm
- Pixel clock 33.75 MHz
- 61 frames/sec.
- C-mount
- Shutter 1/60 ~ 1/10,000 sec.
- 8/10bit Mini-Camera Link*
- 44(w) x 29(h) x 66(d) mm
- Color version CB-040MCL

*PoCL version available

Right Angle Adapter, "periscope"

Compatible with C3 Compact cameras

NOTE: This adapter can be provided only as a "factory-installed option".

Color Progressive Scan - Digital Output Cameras

RMC-4200GE/-4200CL

4.2 Megapixels Color Camera

- 1.2”progressive scan CCD
- 2048(h) x 2048(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 15 frames/sec.
- C-mount
- Shutter 1/15 ~ 1/16,000 sec.
- Raw data 8/10/12bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

RMC-2030GE/-2030CL

HDTV Color Camera

- 1.0”progressive scan CCD
- 1920(h) x 1080(v) aspect ratio 16:9
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 32 frames/sec.
- C-mount
- Shutter 1/32 ~ 1/16,000 sec.
- Raw data 8/10/12bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

RMC-2040GE

UXGA Color Camera

- 1”progressive scan CCD
- 1600(h) x 1200(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 34/17 frames/sec.
- C-mount
- Shutter 1/34 ~ 1/32,000 sec.
- 8/10/12bit GigE Vision
- 51(w) x 51(h) x 85(d) mm

RMC-6740GE/-6740CL

VGA High Speed Color Camera

- 1/3”progressive scan CCD
- 640(h) x 480(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 200 frames/sec.
- C-mount
- Shutter 1/200 ~ 1/64,000 sec.
- Raw data 8/10bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

Color Analog output Cameras

CV-M77

XGA RGB Color Camera

- 1/3”progressive scan CCD
- RGB primary mosaic filter
- 1028(h) x 770(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 25 MHz
- 25 frames/sec.
- C-mount
- Shutter 1/25 ~ 1/10,000 sec.
- 50(w) x 40(h) x 90(d) mm

CV-S3200

HighSensitivity Color Camera

- 1/2”IT Exview HAD CCD
- 752(h) x 582(v)
- Cell Size 8.6 x 8.3 µm
- 2:1 Interlace
- CS-mount
- Shutter off ~ 1/10,000 sec.
- VBS,Y/C video output
- 55(w) x 45(h) x 110.2(d) mm

*NTSC version available

CV-S3500E

HighSensitivity Color Camera

- 1/3”progressive scan CCD
- 1280(h) x 960(V)
- Cell Size 3.75 x 3.75 µm
- Pixel clock 36 MHz
- CS-mount
- Shutter off ~ 1/10,000 sec.
- Analog composite, Y/C video output, Ethernet
- 55(w) x 55(h) x 78(d) mm

*PoE version available

UV imaging

Visible light imaging

NIR imaging

Ultra Violet 200nm ~ 400nm	Visible 400nm ~ 700nm	Near Infrared 700nm ~ 1000nm	
·CV-A1-UV ·CM-140GE-UV ·CM-140MCL-UV		·BM-141GE ·AD-080GE ·LQ-200CL ·LQ-100CL	·CM-141MCL ·AD-080CL ·CV-A50IR

Monochrome Progressive Scan - Digital Output Cameras

RM-4200GE/-4200CL

4.2 Megapixels Monochrome

- 1.2”progressive scan CCD
- 2048(h) x 2048(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 15 frames/sec.
- C-mount
- Shutter 1/15 ~ 1/16,000 sec.
- 8/10/12bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

RM-2030GE/-2030CL

HDTV Monochrome Camera

- 1.0”progressive scan CCD
- 1920(h) x 1080(v) aspect ratio 16:9
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 32/16 frames/sec.
- C-mount
- Shutter 1/32 ~ 1/16,000 sec.
- 8/10/12bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

RM-2040GE

UXGA Monochrome Camera

- 1”progressive scan CCD
- 1600(h) x 1200(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 34/17 frames/sec.
- C-mount
- Shutter 1/34 ~ 1/32,000 sec.
- 8/10/12bit GigE Vision
- 51(w) x 51(h) x 85(d) mm

RM-6740GE/-6740CL

VGA High Speed Monochrome

- 1/3”progressive scan CCD
- 640(h) x 480(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 40 MHz
- 200 frames/sec.
- C-mount
- Shutter 1/200 ~ 1/64,000 sec.
- 8/10bit GigE Vision or Camera Link
- 51(w) x 51(h) x 85(d) mm /GE
- 51(w) x 51(h) x 74(d) mm /CL

Monochrome Progressive Scan - Analog Output Cameras

CV-A2

UXGA Monochrome Camera

- 1/1.8”progressive scan CCD
- 1620(h) x 1220(v)
- Cell Size 4.4 x 4.4 µm
- Pixel clock 36.15 MHz
- 15 frames/sec.
- C-mount
- Shutter 1/15 ~ 1/200,000 sec.
- 44(w) x 29(h) x 66(d) mm

CV-A1/CV-A1UV

SXGA Monochrome Camera

- 1/2”progressive scan CCD
- 1380(h) x 1035(v)
- Cell Size 4.65 x 4.65 µm
- Pixel clock 28.63 MHz
- 16 frames/sec.
- C-mount
- Shutter 1/16 ~ 1/200,000 sec.
- 44(w) x 29(h) x 66(d) mm

*UV Model CV-A1UV

CV-A50/CV-A50IR NIR

Monochrome Camera

- 1/2”IT CCD
- 737(h) x 575(v)
- Cell size 8.6 x 8.3 µm
- Pixel clock 14.18 MHz
- 25 frames/sec.
- 2:1 Interlace / non-Interlace
- C-mount
- Shutter off ~ 1/10,000 sec.
- 44(w) x 29(h) x 66(d) mm
- Near IR model : CV-A50IR

*EIA version available

CV-A11

VGA Monochrome Camera

- 1/3”progressive scan CCD
- 648(h) x 492(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 12.27 MHz
- 30 frames/sec.
- C-mount
- Shutter 1/30 ~ 1/100,000 sec.
- 44(w) x 29(h) x 66(d) mm

Monochrome ø17mm Remote Head Analog / Digital Cameras

CV-M536 (EIA)

ϕ 17mm Remote Head Interlaced Scan Camera with 2m cable

- 1/2”Hyper HAD IT CCD
- 768(h) x 494(v)
- Cell Size 8.4 x 9.8 µm
- 30 frames/sec.
- 2:1 Interlace/non-Interlace
- Lens mount M15.5 x 0.5
- Shutter off ~ 1/10,000 sec.
- 50(w) x 40(h) x 80(d) mm (CCU)
- ϕ 17mm x 46mm (Head)
- Cable length 2m

*CCIR version not available

CV-M538 (EIA)

ϕ 17mm Remote Head Interlaced Scan Camera with 5m cable

- 1/2”Hyper HAD T CCD
- 768(h) x 494(v)
- Cell Size 8.4 x 9.8 µm
- 30 frames/sec.
- 2:1 Interlace/non-Interlace
- Lens mount M15.5 x 0.5
- Shutter off ~ 1/10,000 sec.
- 50(w) x 40(h) x 80(d) mm (CCU)
- ϕ 17mm x 41mm (Head)
- Cable length 5m

*CCIR version not available

CV-A436

ϕ 17mm Remote Head Progressive Scan Camera

- 1/3"progressive scan CCD
- 648(h) x 492(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 24.54 MHz
- 60 frames/sec.
- Lens mount M15.5 x 0.5
- Shutter 1/60 ~ 1/200,000 sec.
- 44(w) x 29(h) x 66(d) mm (CCU)
- ϕ 17mm x 46mm (Head)
- Cable length 2m

CM-030PMCL-RH
CM-030GE-RH

ϕ 17mm Remote Head Progressive Scan Camera

- 1/3”progressive scan CCD
- 659(h) x 494(v)
- Cell Size 7.4 x 7.4 µm
- Pixel clock 58 MHz
- 120 frames/sec.
- Lens mount M15.5 x 0.5
- Shutter 1/120 ~ 1/30,000 sec.
- 8bit/10bit PoCL or GigE Vision
- 44(w) x 29(h) x 66(d) mm (CCU)
- ϕ 17mm x 46mm (Head)
- Cable length 2m

Accessories

MP-50

Right Angle Adapter, "periscope"

Compatible with CV-M50, CV-M10SX, CV-M300, CV-M30, CV-M4+CL, CV-M7+CL & CV-M77

NOTE: Kit for field assembly includeds all screws and flat ribbon cable.

MP-70/MP-80

Right Angle Adapter, "periscope"

MP-70
Compatible with CV-A50,CV-A60,CV-A11 & CV-A1

MP-80
Compatible with CV-A10CL & CV-A70CL

NOTE: Kit for field assembly includeds all screws and flat ribbon cable
*The picture is shown the adapter mounted on a camera.

MP-90

Right Angle Adapter, "periscope"

Compatible with CV-M2CL, CV-M8CL, CV-M71CL & CV-M71A

NOTE: Kit for field assembly includeds all screws and flat ribbon cable.

MP-40

Tripod mounting plate
Attaches to the camera with M3 screws

Compatible with JAI's CV-A series, CV-M series & CM- / CB- models, except CV-A10GE & CV-A70GE.

NOTE: Only use the supplied screws. Using longer screws can damage internal circuit boards.

MP-41

Tripod mounting plate
Attaches to the camera with M3 screws

Compatible with CV-A10GE, CV-A70GE, AM- / AB- models & BM- / BB- models.

NOTE: Only use the supplied screws. Using longer screws can damage internal circuit boards.

TP-10

Tripod mounting plate for all other TM & RM model numbers (includes the TM/TM-745/765 models).

TP-20

Tripod mounting plate for AccuPiXEL and Dual-Tap AccuPiXEL models (includes AG-7000 and TM/TMC-9730CL models.

TP-30

Tripod mounting plate for TM-700 series cameras (does not include TM/TM-745/765 models.

TP-40

Tripod mounting plate for TMC-73M, RMC-73M, TMC-63M, & RMC-63M cameras.

Accessories for Ø17mm remote head camera

MP-30

Mounting bracket for remote head

For use with JAI ϕ 17mm remote head cameras

- CV-M536
- CV-M538
- CV-A436
- CM-030PMCL-RH
- CM-030GE-RH

MP-20

ϕ 17 mm to C-mount thread converter

For use with JAI ϕ 17mm remote head cameras

- CV-M536
- CV-M538
- CV-A436
- CM-030PMCL-RH
- CM-030GE-RH

OP-700 series

ϕ 17 mm camera lens

- OP-715
  1/2”17mm mount F=2.1
- OP-724
  1/2”17mm mount F=3.1
- OP-735
  1/2”17mm mount F=1.6

Typical camera applications

- Electronics & semicon

- Packaging & printing

- Solar cell panel inspection

- Food sorting

- Pharmaceuticals

- Traffic enforcement

- Surface quality

- Medical equipment

GiGE VISION™

GigE Vision™ is a new Camera interface standard developed using the Gigabit Ethernet communication protocol. With GigE Vision, hardware and software from different vendors can interoperate seamlessly over GigE connections.

GigE Vision™ offers many benefits

- High bandwidth (1000 Mbps)
- Long distance data transmission up to 100 meters without hub or Switcher
- Multiple Camera connection with a hub or multi-channel network interface card to single/ multiple computer(s)
- Low cost cables & Easy connection Plug & Play with CAT5E or CAT6 and standard connectors

JAI SDK and Control Tool

GigE Vision Camera Software

Windows Vista · Windows XP · Linux POWERED

The JAI GigE Vision Camera Software package contains all SDK components required for easily integrating JAI GigE Vision compliant Cameras into vision applications.

The JAI Control Tool is a generic application that can be used for testing and evaluating all JAI GigE Vision Cameras.

The graphical user interface allows the user to see and activate the available features and functions of the connected Camera(s). Streamed video can be viewed live or saved to memory.

- Software development kit allows vision system developers to easily integrate Cameras
- Control Tool & viewer with automatic detection of single or multiple Cameras
- Camera features and functions automatically detected based on Gen‹i›Cam
- JAI Filter Driver for efficient transmission of GigE Vision packets
- Detailed reference documentation and C++/C# sample code for Visual Studio NET
- Supports Windows XP, Windows Vista and Linux

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See the possibilities