nit americas
INCORPORATED

CamPerform Coaxpress Series
CP70 & CP80

Optronis
Make time visible

Ultra High Resolution, High Speed Camera Heads
The perfect high speed imaging tool for systems integrators.

CamPerform Coaxpress Series Features:

- **Frame rates up to 200,000fps**

- **Active Pixel CMOS Sensors: 25, 12, 4, 3, and 1.3 Mega Pixel Resolution**

- **Monochrome or Color Sensors**

- **Very Compact Ruggedized Housing**

- **CoaXPress 25Gbit/s Interface**

- **Power and Trigger via CoaXPress**

- **Real-time image data transfer**

- **EMVA1288 standard**

Measuring accuracy tasks that extend to the nano range and production speeds that are barely visible to the eye place high demands on the image-processing solutions used in industry. The CamPerform Coaxpress series is ideal for image based inspection and analyses in applications like AOI, 3D metrology, semiconductor inspection, robot vision and many more.

The CamPerform series is tried and tested and well designed for use in production. In addition, the ultra-high performance CamPerform Coaxpress series is perfect for demanding range applications that require long recording times and ultra high spatial resolution, all the while recording at high frame rates.

Regardless of the application, the CamPerform Coaxpress series of ultra high resolution, high speed cameras is the perfect tool for systems integrators supporting customer needs in industry, aerospace, military and R&D applications.

When it comes to reliable, high quality, high-speed camera systems, make the safe choice with nit Americas and you'll see the visible difference.

CamPerform Coaxpress Series
Ultra High Resolution High Speed Camera Heads

CP70 Series

	CP70-12-M-188 / CP70-12-C-188	CP70-HD-M-900 / CP70-HD-C-900	CP70-1-M-1000 / CP70-1-C-1000	CP70-1HS-M-1900 / CP70-1HS-C-1900
Sensor Resolution	4,080 x 3,072	1,920 x 1,080	1,280 x 1,024	1,280 x 860
Frame Rate	188 frames per sec.	908 frames per sec.	1,040 frames per sec.	1,981 frames per sec.
Highest Frame Rate	10,000 frames per sec.		200,000 frames per sec.	11,175 frames per sec
Interface	CoaXPress	CoaXPress	CoaXPress	CoaXPress
Increase The Frame Rate	yes	yes	yes	yes
Reduction Of Sensor Resolution	vertical	vertical	vertical	vertical
Sensor	color / black and white	color / black and white	color / black and white	color / black and white
Sensor Pixel / Distance Between Pixels	5.5 µm / square	5.5 µm / square	6.6 um / square	13.7 um / square
Sensor Size	28.16 mm	12.116 mm	10.818 mm	21.126 mm
Lens Mount (Option)	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42
Features	Gen<i>Cam, EMVA 1288	Gen<i>Cam, EMVA 1288	Gen<i>Cam, EMVA 1288	Gen<i>Cam, EMVA 1288

CP80 Series

	CP80-3-M-540 / CP80-3-C-540	CP80-4-M-500 / CP80-4-C-500	CP80-25-M-72 / CP80-25-C-72
Sensor Resolution	1,696 x 1,708	2,304 x 1,720	5,120 x 5,120
Frame Rate	540 frames per sec.	500 frames per sec.	72 frames per sec.
Highest Frame Rate	170,000 frames per sec.	87,000 frames per sec.	1.688 frames per sec.
Interface	CoaXPress	CoaXPress	CoaxPress
Increase The Frame Rate	yes	yes	yes
Reduction Of Sensor Resolution	horizontal / vertical	vertical	horizontal / vertical
Sensor	color / black and white	color / black and white	color / black and white
Sensor Pixel / Distance Between Pixels	8 µm / square	7 µm / square	4,5 µm / square
Sensor Size	19.27 mm	20.12 mm	32.58 mm
Lens Mount (Option)	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42	C-Mount, Nikon F-Mount, Nikon F-Mount (for G-series), M42
Features	Gen<i>Cam, EMVA 1288	Gen<i>Cam, EMVA 1288	Gen<i>Cam, EMVA 1288

Please Note: Specifications described above are subject to change without notice.