SHR & HR Series
11 TO 120 MEGAPIXEL
available in B/W & Color

HR Camera Link Cameras
Camera Link offers high data rates, deterministic timing and very direct access to the image sensor. Our high resolution industrial cameras with Camera Link provide a wide range of core features.
> 14 bit CCD AD converter, 8 or 12 bit transmission
> Tap balancing, ROI, LUT, binning, gamma, offset
> User defined defect pixel correction
> Power over Camera Link (PoCL)
> Integrated multi channel LED strobe controller
> Industrial TTL-24V I/O interface with SafeTrigger, programmable logic functions, sequencers and timers, RS232

HR GigE Vision Cameras
The GigE cameras of the HR series impress with their housing concept, the wide-range lenses and the unique picture quality. Thanks to the dual GigE connection with the 4-Tap Version it is possible to achieve a maximum data rate of up to 240 MByte / s.
> Dual GigE Vision data interface with increased data rates up to 240 MB/s
> GigE Vision and GenIcam standard compliant, GenTL driver
> Cable lengths up to 100 meters are possible
> Any AOI possible (Area of Interest)

HR CoaXPress Cameras
The interface standard CoaXPress was developed to meet the need for higher bandwidth generated by recently launched sensors. In particular CMOS sensors are capable of extremely high frame rates.
> Up to 25 Gbit/sec. with Quad CoaXPress
> Cabel length up to 200 meter

SHR Camera
The SHR features a low-noise half-frame CCD multi-tap sensor in a class of its own. State-of-the-art tap sensor balancing and the highest structural precision of the sensor adjustment in a massive housing make the SHR with its lens shading correction the ideal partner for the most demanding optical applications.

CoaXPress
> Superb tap balancing
> Integrated 4-channel LED strobe controller
> User defined lens shading correction
> Industrial TTL-24V I/O interface with SafeTrigger, programmable logic functions, sequencers and timers, RS232
> Cable length up to 140 m (depending on data rate)

Camera Link
> Tap balancing with superb image homogeneity
> User defined lens shading correction
> Integrated 4-channel LED strobe controller
> Industrial TTL-24V I/O interface with SafeTrigger, programmable logic functions, sequencers and timers, RS232

Model	MP	Resolution pixels	Format	Sensor	Pixel µm	Architecture	Mount	Max. Frame rate (fps)		
								GigE	CameraLink	CXP
hr11002	11	4008x2672	35mm	On-Semi KAI-11002	9	CCD	M58	6	10	-
hr16000	16	4896x3248	35mm	On-Semi KAI-16000	7.4	CCD	M58	4	4	-
hr16050	16	4896x3264	APS-H	On-Semi KAI-16050	5.5	CCD	M58	10	10	-
hr16070	16	4864x3232	35mm	On-Semi KAI-16070	7.4	CCD	M58	11	10	-
hr25000	25	5120x5120	35mm	On-Semi Python25K	4.5	CMOS	M58	-	31	80
hr29050	29	6576x4384	35mm	On-Semi KAI-29050	5.5	CCD	M58	6	5	-
hr120	120	13272x9176	35mm	Canon 120MXS	2.2	CMOS	M58	-	6	-
shr47051	47	8856x5280	56.7mm	On-Semi KAI-47051	5.5	CCD	M72	-	7	7

alliance Vision
an OptoGroup company