pco.dicam series
product overview

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After more than 30 years of experience with image intensified cameras, we are proud to introduce our advanced pco.dicam portfolio to you.
The pco.dicam UHS and LT products are our new members of the intensified camera series that exploits the full performance inherent to **scientific CMOS** sensor technology. One of the key benefits of using an sCMOS based camera module inside our pco.dicam products – besides high sensitivity, dynamic, and resolution – is the high frame rate at full pixel resolution.

Below, you will find an overview about our latest intensified camera portfolio. For further information, please contact us at any time.

Visit our website for more details.

technical table	variant	intensifier diameter [mm]	photo–cathode material	phosphor screen material	intensifier: selected	intensifier: standard	intensifier: MgF2 glas input window	width x height [pixel]	frame rate at full resolution [fps]	exposure time [ns]	mount	final test sheet
pco.dicam C1	high resolution	25	S20	P43 or P46	✔		✔	2048 x 2048	106	typ. 4	F–mount C–mount* Canon EF mount*	included
			GaAs, GaAsP		✔	✔						
pco.dicam C1 UHS	ultra high speed	18	S20		✔	✔		1504 x 1504	143	typ. 2.5		
			GaAs, GaAsP			✔				typ. 4		
pco.dicam C1 LT	no export restrictions		S20		✔				120	51	F–mount C–mount*	on request

technical table	variant	intensifier diameter [mm]	photo–cathode material	phosphor screen material	intensifier: selected	intensifier: standard	intensifier: MgF2 glas input window	width x height [pixel]	frame rate at full resolution [fps]	exposure time [ns]	mount	final test sheet
pco.dicam C4	high resolution	25	S20	P43 or P46	✔			2048 x 2048	424	typ. 4	F–mount Canon EF mount*	included
			GaAs, GaAsP		✔	✔						
pco.dicam C4 UHS	ultra high speed	18	S20		✔			1504 x 1504	572	typ. 2.5		
			GaAs, GaAsP			✔				typ. 4		
pco.dicam C4 LT	no export restrictions		S20		✔				120	51	F–mount	on request

technical table	variant	intensifier diameter [mm]	photo–cathode material	phosphor screen material	intensifier: selected	intensifier: standard	intensifier: MgF2 glas input window	width x height [pixel]	frame rate at full resolution [fps]	exposure time [ns]	mount	final test sheet
pco.dicam C8	high resolution	25	S20	P43 or P46	✔			2048 x 2048	848	typ. 4	F–mount Canon EF mount*	included
			GaAs, GaAsP		✔	✔						
pco.dicam C8 UHS	ultra high speed	18	S20		✔			1504 x 1504	1144	typ. 2.5		
			GaAs, GaAsP			✔				typ. 4		
pco.dicam C8 LT	no export restrictions		S20		✔				120	51	F–mount	on request

* optional

intensified **sCMOS** cameras