

pco.dicam series

product overview



**intensified
sCMOS**

With over 35 years of experience in image intensified camera technology, we are proud to present our advanced **pco.dicam** portfolio. The **pco.dicam** intensified camera series leverages the full power of **scientific CMOS** sensor technology. One of the key benefits of using an sCMOS based camera module inside our pco.dicam products – beyond exceptional sensitivity, dynamic, and resolution – is the high frame rate at full pixel resolution. Below, you will find an overview of our latest intensified camera lineup. For further details, please feel free to contact us anytime.

Variant	high resolution		ultra high-speed		not classified as dual-use item ¹	
	pco.dicam C1		pco.dicam C1 UHS		pco.dicam C1 LT	pco.dicam C1 LX
intensifier diameter [mm]	25	25	18	18	18	25
photo cathode material	S20	GaAs, GaAsP	S20	GaAs, GaAsP	S20	S20
intensifier quality grade	selected	standard / selected	selected	standard	selected	selected
phosphor screen material	P43 or P46	P43 or P46	P43 or P46	P43 or P46	P46	P46
default intensifier input window	synthetic silica	borosilicate	synthetic silica	borosilicate	synthetic silica	synthetic silica
optional intensifier input window	MgF ₂	none	MgF ₂	none	none	none
resolution width x height [pixel]	2048 x 2048	2048 x 2048	1504 x 1504	1504 x 1504	1504 x 1504	2048 x 2048
frame rate at full resolution [fps]	106	106	143	143	120	106
typical shortest exposure time [ns]	4	4	2.5	4	51	51
default mount	F-mount	F-mount	F-mount	F-mount	F-mount	F-mount
optional mount	C-mount Canon EF mount	C-mount Canon EF mount	C-mount Canon EF mount	C-mount Canon EF mount	none	none
final test sheet	included	included	included	included	on request	on request

Variant	high resolution		ultra high-speed		not classified as dual-use item ¹	
	pco.dicam C4		pco.dicam C4 UHS		pco.dicam C4 LT	pco.dicam C4 LX
intensifier diameter [mm]	25	25	18	18	18	25
photo cathode material	S20	GaAs, GaAsP	S20	GaAs, GaAsP	S20	S20
intensifier quality grade	selected	standard / selected	selected	standard	selected	selected
phosphor screen material	P43 or P46	P43 or P46	P43 or P46	P43 or P46	P46	P46
resolution width x height [pixel]	2048 x 2048	2048 x 2048	1504 x 1504	1504 x 1504	1504 x 1504	2048 x 2048
frame rate at full resolution [fps]	424	424	572	572	120	120
typical shortest exposure time [ns]	4	4	2.5	4	51	51
default mount	F-mount	F-mount	F-mount	F-mount	F-mount	F-mount
optional mount	Canon EF mount	Canon EF mount	Canon EF mount	Canon EF mount	none	none
final test sheet	included	included	included	included	on request	on request

Variant	high resolution		ultra high-speed		not classified as dual-use item ¹	
	pco.dicam C8		pco.dicam C8 UHS		pco.dicam C8 LT	pco.dicam C8 LX
intensifier diameter [mm]	25	25	18	18	18	25
photo cathode material	S20	GaAs, GaAsP	S20	GaAs, GaAsP	S20	S20
intensifier quality grade	selected	standard / selected	selected	standard	selected	selected
phosphor screen material	P43 or P46	P43 or P46	P43 or P46	P43 or P46	P46	P46
resolution width x height [pixel]	2048 x 2048	2048 x 2048	1504 x 1504	1504 x 1504	1504 x 1504	2048 x 2048
frame rate at full resolution [fps]	848	848	1144	1144	120	120
typical shortest exposure time [ns]	4	4	2.5	4	51	51
default mount	F-mount	F-mount	F-mount	F-mount	F-mount	F-mount
optional mount	Canon EF mount	Canon EF mount	Canon EF mount	Canon EF mount	none	none
final test sheet	included	included	included	included	on request	on request

¹ Note: BAFA application is still required for export.

Visit our
website for
more details.

