



Direct Conversion

Empowered X-RAY Imaging

РЕНТГЕНОВСКИЕ СЕНСОРЫ

SNAP 100x2, 150, 225, 450

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

По вопросам продаж и поддержки обращайтесь:

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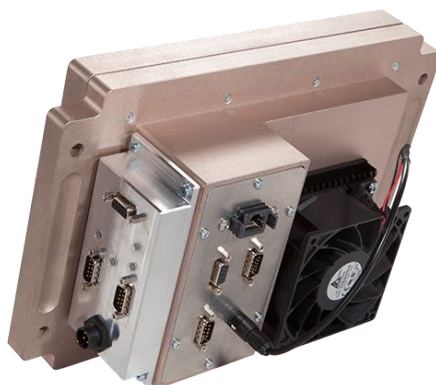
SNAP 100x2 - Industrial sensor (weld inspection, industrial CT, NDT)

SNAP100x2 is a flexible solution for soft X-ray (<20 kVp for 0.75 mm CdTe) to hard X-ray (320+ kVp with 1.4 mm CdTe) imaging.

The larger width of the imaging area produces high quality images even in low flux applications and the dual channel design allows uninterrupted data capture.

The compact enclosure of the sensor is well suited for integration in applications requiring portability, such as pipe weld inspection.

Despite the compact size, the device is temperature controlled for maximum performance.



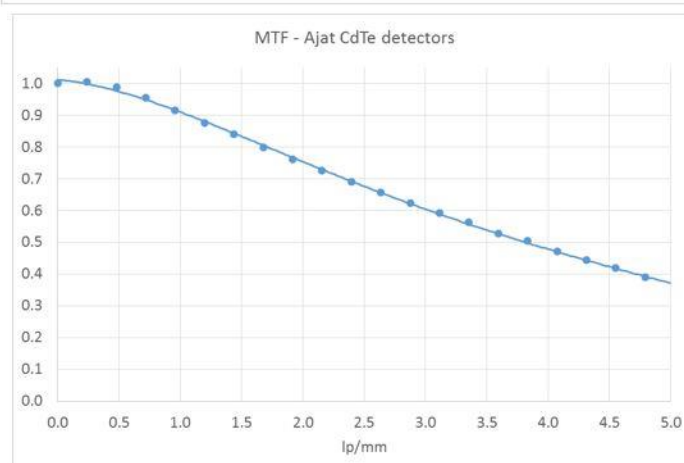
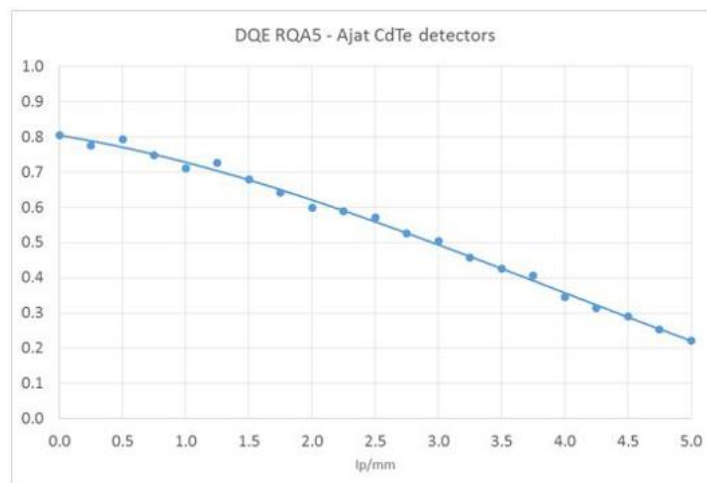
IMAGING PARAMETERS AND PERFORMANCE	
Pixel technology	Charge integration
Sensor thickness	0.75 mm or 1.4 mm CdTe
Pixel size	100 μm x 100 μm
Frame rate	10 to 300 fps
Configuration	2 columns of 4 hybrids each with 1.5 mm offset between columns
Active area size	width: 2 x 5.7 mm height: 98 mm
Pixel depth @ 300 fps	12-bit
MTF @ RQA5:	>70 % @ 2 lp/mm, >30 % @ 5 lp/mm
DQE @ RQA5:	>80% @ 0 lp/mm, >60 % @ 2 lp/mm, >20 % @ 5 lp/mm

ENVIROMENTAL CONDITIONS	
Operating temperature range	+10 to +40 °C
Operating relative humidity	10 - 90 %
Storage temperature range	+5 to +45 °C
Transportation temperature range	-30 to +50 °C (max 2 days)
Tube kV range	15 kV to 300 kV
Temperature control	yes

ELECTRICAL INTERFACE	
Data interface	1000BASE-T Ethernet
Interface	Optoisolated I/O (5 V)
Power supply	24 V, ≤ 12 W without temperature control ≤ 60 W with temperature control

PHYSICAL DIMENSIONS	
Width x length x height	175 mm x 285 mm x 100 mm (excluding heat sink assembly)
Weight	3 kg (without TCU)

SOFTWARE	
Software included	Imaging application & Software Development Kit
Supported operating systems	Windows 7 – 10 Pro 32-bit or 64-bit



SNAP 150 - Dental sensor

(panoramic, cephalometric)

SNAP150 is a compact X-ray sensor designed for dental panoramic X-ray imaging and other narrow beam X-ray applications requiring the 150 mm active area.

Gigabit Ethernet interface combined with low power consumption and flexible, easy-to use software allow fast integration to any X-ray system.



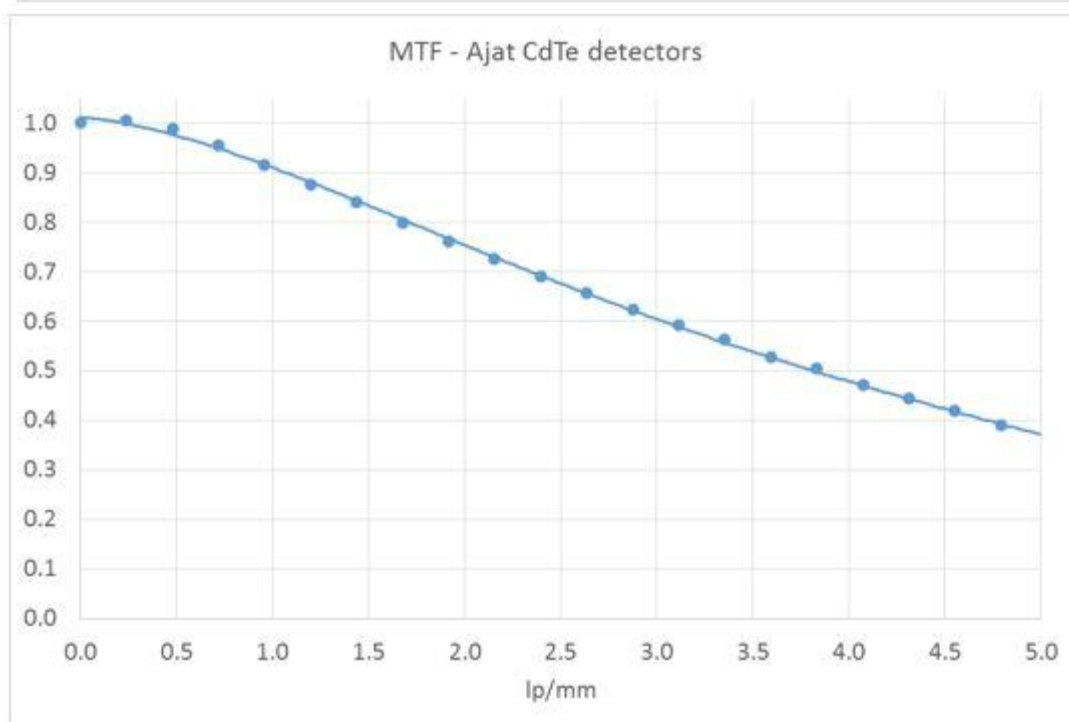
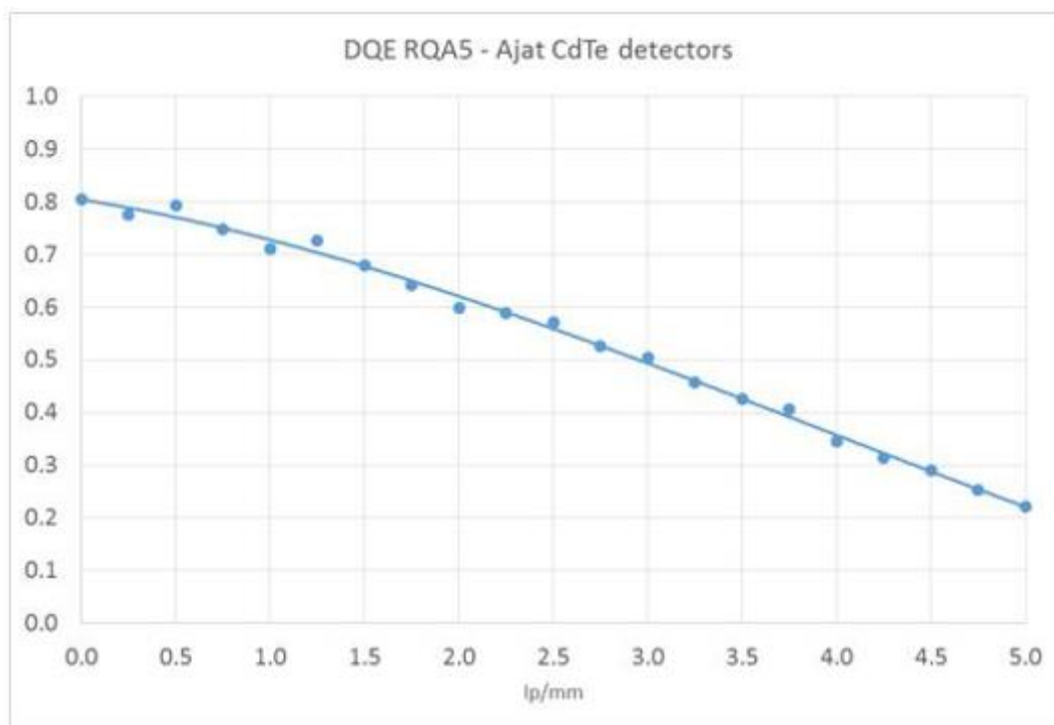
IMAGING PARAMETERS AND PERFORMANCE	
Pixel technology	Charge integration
Sensor thickness	0.75 mm CdTe
Pixel size	100 μ m x 100 μ m
Frame rate	up to 330 fps
Active area size	6.2 mm x 150.0 mm
Pixel depth	12-bit
MTF @ RQA5:	>70 % @ 2 lp/mm, >30 % @ 5 lp/mm
DQE @ RQA5:	>80% 0 lp/mm, >60 % @ 2 lp/mm, >20 % @ 5 lp/mm

ENVIROMENTAL CONDITIONS	
Operating temperature range	+10 to +40 °C
Operating Relative Humidity	10 % - 95 %
Storage temperature range	+5 to +45 °C
Transportation temperature range	-30 to +50 °C

ELECTRICAL INTERFACE	
Data Interface	1000BASE-T Ethernet
Interface	Optoisolated I/O (+5V)
Power supply	12 V, 7 W

PHYSICAL DIMENSIONS	
Width x length x height	89 mm x 167mm x 5.4 mm
Weight	<1.5 kg

SOFTWARE	
Software included	Imaging application & Software Development Kit
Supported operating systems	Windows 7-10 32-bit and 64-bit



SNAP 225 - Dental sensor (panoramic, cephalometric)

The SNAP225 is a sensor well suited for dental X-ray imaging in both panoramic and cephalometric modalities in either fixed or movable sensor configurations. It can also be adapted to other X-ray imaging applications.

The unparalleled imaging performance produced by the CdTeCMOS technology is coupled with industry standard Gigabit Ethernet interface and flexible software solutions.



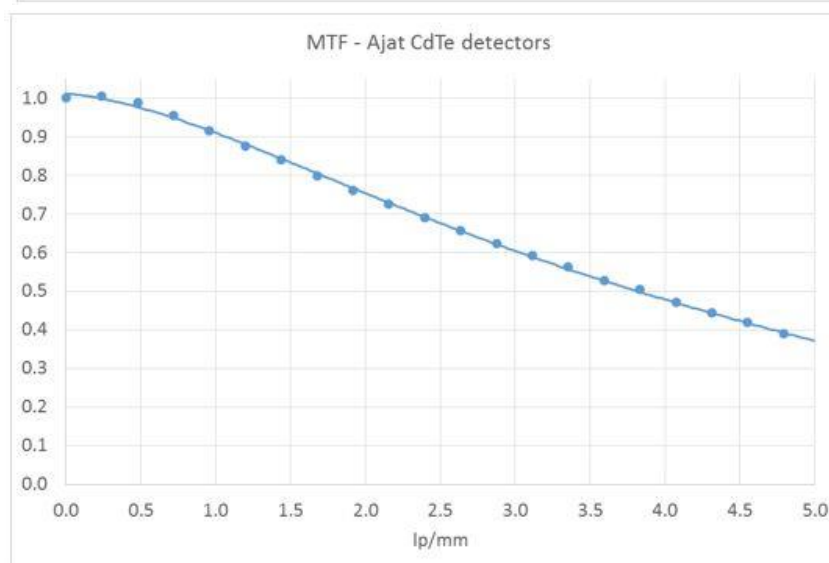
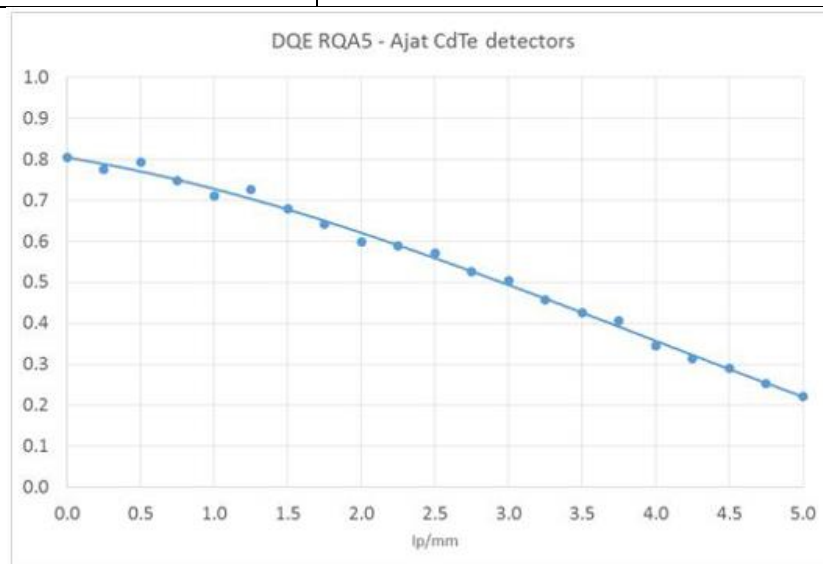
IMAGING PARAMETERS AND PERFORMANCE	
Pixel technology	Charge integration
Sensor thickness	0.75 mm CdTe
Pixel size	100 μm x 100 μm
Frame rate	300fps
Active area size	6.4 mm x 151.0 mm (panoramic modality) 6.4 mm x 226.6 mm (cephalometric modality)
Pixel depth @ 300 fps	12-bit
MTF @ RQA5:	>70 % @ 2 lp/mm, >30 % @ 5 lp/mm
DQE @ RQA5:	>80 % @ 0 lp/mm >60 % @ 2 lp/mm, >20 % @ 5 lp/mm
Scanning speed	≤ 30 mm/s at sensor plane

ENVIROMENTAL CONDITIONS	
Operating temperature range	+10 to +40 °C
Operating relative humidity	30 % - 75 %
Storage temperature range	+5 to +45 °C
Transportation temperature range	-30 to +50 °C (max 2 days)

ELECTRICAL INTERFACE	
Data Interface	1000BASE-T Ethernet
Interface	Optoisolated I/O (5V)
Power supply	24 V, 10 W

PHYSICAL DIMENSIONS	
Width x length x height	98 mm x 305 mm x 65.1 mm
Weight	3 kg

SOFTWARE	
Software included	Imaging application & Software Development Kit
Supported operating systems	Windows 7-10 32-bit and 64-bit



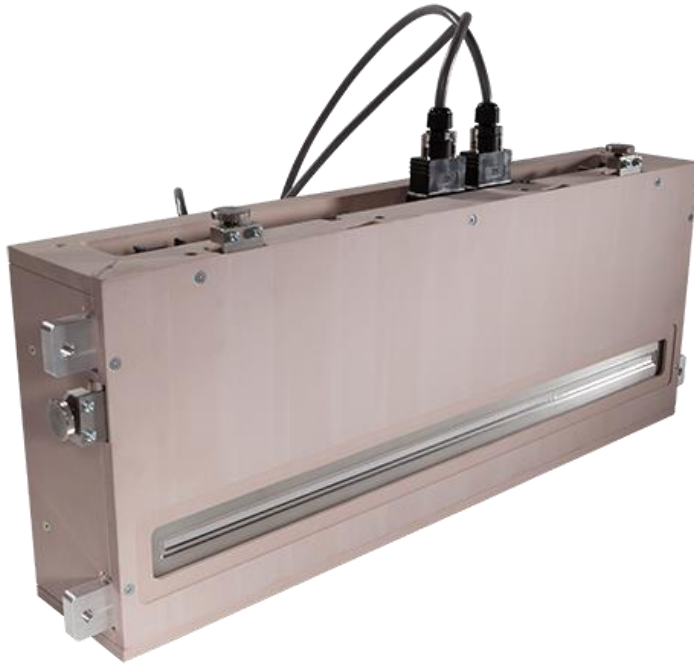
SNAP 450 - Industrial sensor

(weld inspection, food inspection, NDT)

SNAP450 is an ideal solution for scanning and helical CT X-ray applications requiring larger imaging area.

The CdTe based sensor technology combined flexible imaging software provides incomparable image quality in an easy to integrate package.

Dual industry standard Gigabit Ethernet (1000Base-T) connections provide sufficient bandwidth to support the imaging speeds required.



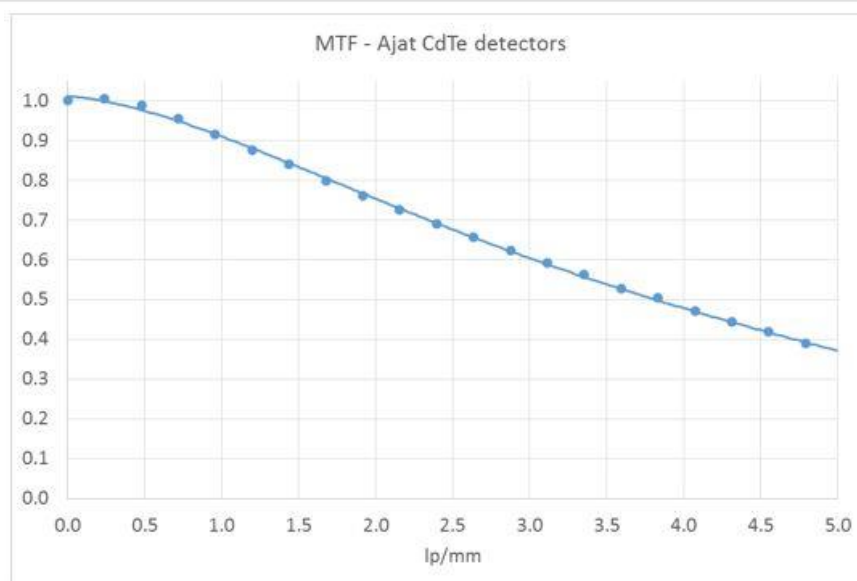
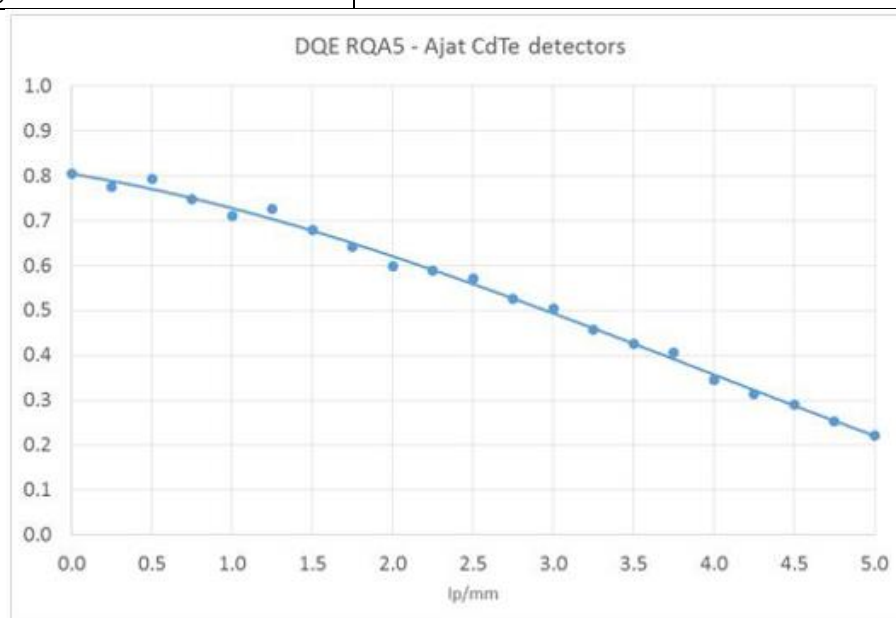
IMAGING PARAMETERS AND PERFORMANCE	
Pixel technology	Charge integration
Sensor thickness	0.75 mm CdTe
Pixel size	100 μm x 100 μm
Frame rate	300 fps
Active area size	6.4 mm x 453.0 mm
Pixel depth @ 300 fps	12-bit
MTF @ RQA5:	>70 % @ 2 lp/mm, >30 % @ 5 lp/mm
DQE @ RQA5:	>80% @ 0 lp/mm >60 % @ 2 lp/mm, >20 % @ 5 lp/mm

ENVIROMENTAL CONDITIONS	
Operating temperature range	+10 to +40 °C
Operating relative humidity	30 % - 75 %
Storage temperature range	+5 to +45 °C
Transportation temperature	-30 to +50 °C (max 2 days)
Temperature control	yes

ELECTRICAL INTERFACE	
Data interface	Dual link 1000BASE-T Ethernet
Interface	Optoisolated I/O (5V)
Power supply	24 V, ≤ 15 W

PHYSICAL DIMENSIONS	
Width x length x height	220 mm x 550 mm x 120 mm
Weight	10 kg (2 x TCU included)

SOFTWARE	
Software included	Imaging application & Software Development Kit
Supported operating systems	Windows 7-10 32-bit and 64-bit





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