

ProXima V

Digital detector



TECHNICAL DATA DETECTOR IRAY MARS 1717V

Basic technical specification

Detector Technology	Amorphous Silicon
Scintillator	CsI
Active Area	427mm× 427mm
Pixel Pitch	139μm
Pixel Matrix	3072x3072
AD Conversion	16 bit
Trigger Mode	AED/Software
Data Interface	2.4G and 5G @IEEE802.11 a/b/g/n/ac
Dimension	460mm ×460mm ×15mm
Weight	4,3kg
Ingress Protection	IP56
Drop Height	70cm @3mm PVC
Static Loading	150kgUniformly
Battery Capacity	>7.5h
Battery Charging	4h in Charger

Image performance

MTF @ 1.0 LP/mm(@RQA5)	70 %
MTF @ 2.0 LP/mm(@RQA5)	41 %
MTF @ 3.0 LP/mm(@RQA5)	21 %
DQE @ 0 LP/mm(@RQA5,typ)	68 %
DQE @ 1.0 LP/mm(@RQA5,typ)	65 %
DQE @ 2.0 LP/mm(@RQA5,typ)	37 %

Note: Image performance depends on used phantom and GRID Ratio

Workflow

Trigger Mode	AED/Software
Preview Image	Typ. 3s
Full image time	Typ. 5s

Enviromental Requirement

Operating temperature	5 ⁰ -35 ⁰
Storage & Transport Temperature with Package	-20 ⁰ -55 ⁰ C
Operating Humidity	10%-90%
Storage &Transport Humidity with Package	5%-95%

