

JIMNVT-20-超二代像增强器

JIMNVT-20 Super Second Generation Low-Light-Level Image Intensifier

JIMNVT-20 Super Second Generation Low-Light-Level

Image Intensifier is primarily designed for

direct-view monocular,binocular, and quadocular

night vision devices.It is fully compatible with

the U.S. military MX10160 image intensifier standard.



JIMNVT-X0 Super Second Generation Low-Light-Level Image Intensifier

Technical Parameters	JIMNVT-10	JIMNVT-20	JIMNVT-30	Units
Photocathode Effective Diameter	≥17.5			mm
Photocathode Materials	Na2KSb(Cs)			-
Input Window	Anti-Reflection Glass			-
Output Window	Typical Inverting Spherical (SR40) Customizable Options: Inverting Planar, Erecting Spherical (SR40), Erecting Planar			-
Phosphor	P43/P45			-
Figure of Merit(FOM)	1200	1400	1600	-
Signal-to-Noise Ratio(SNR)	≥20	22	25	-
Resolution	60	64	64	lp/mm
Luminance Gain	≥6000	≥8000	≥10000	cd/m² /lx
Maximum Output Luminance	≥4			cd/m²
Equivalent Background Illumination(EBI)	≤0.25			μ lx
Operating Current @3V	≤20			mA
Operating Voltage	2.2~3.4			V
Weight	≤70			g
Power Supply	Non-Gated/Gated/External Gain Control/External Brightness Control			-
Electrical Interface	Contact Pins			
Operating Temperature	-45~+55			℃
Storage Temperature	-55~+70			℃

Black Spot Requirements

Black Spot Size / mm	φ ≤5.6mm	5.6mm< φ ≤14.7mm	φ >14.7mm
≥0.228	0	0	0
0.152~0.228	0	1	1
0.075~0.152	0	2	2

