

JIMNVT-B 超二代像增强器

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

JIMNVT-B-20 Super Second Generation Low-Light-Level

Image Intensifier is primarily designed for

single-tube binocular night vision devices. It is

fully compatible with the U.S. military MX10130 image

intensifier standard.



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

Technical Parameters	JIMNVT-10	JIMNVT-20	JIMNVT-30	JIMNVT-40	JIMNVT-50	Units
Photocathode Effective Diameter			≥17.5			mm
Photocathode Materials			Na2KSb(Cs)			-
Input Window			Anti-Reflection Glass			-
Output Window			Typical Erecting Spherical (SR18)			-
Phosphor			Customizable Options: Inverting Planar, Inverting Spherical, Erecting Planar P43/P45			-
Figure of Merit(FOM)	1200	1400	1600	1800	2200	-
Signal-to-Noise Ratio(SNR)	≥20	22	25	27	31	-
Resolution	60	64	64	68	72	lp/mm
Luminance Gain	≥10000	≥10000	≥10000	≥12000	≥12000	cd/m ² /lx
Maximum Output Luminance			≥4			cd/m ²
Equivalent Background Illumination(EBI)			≤0.25			μ lx
Operating Current @3V			≤20			mA
Operating Voltage			2.2~3.4			V
Weight			≤78			g
Power Supply			Non-Gated/Gated			-
Electrical Interface			Lead Wires/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