

IMPORTANT NOTICE TO UNDERSTAND THIS TABLE. The below information represents "Typical" specifications, however individual tubes as well as specific contracts may perform under or over this specification.

ORIGINAL DATA AVAILABLE AT: <http://aunv.blackice.com.au/cgi-bin/nightvision/forum?index=discussions&story=omni&function=read> 18 June 2010

Omnibus Classifications

Contract	Omni I	Omni II	Omni III	Omni IV	Omni V	Omni VI	Omni VII
Comments	Early Gen3 - Not all that far above Gen2 of era.	Another early Gen3, again not that advanced.	The first advanced Gen3 with significant improvement is S/N	Significant increase in photocathode performance levels.	Very advanced. See's introduction of Gen4.	Continual improvement of the technology.	Autogated Thin-Filmed. Replaced US orders for Gen4.
Resolution lp/mm MIN	36	45	51	64	64	64	64
S/N	16.2	16.2	19.0	21.0	21.0	25.0	28
Photocathode sensitivity uA/lm@2856K	1000	1000	1350	1800	1800	2000	2200
Sensitivity at uA/lm@830nm	100 60@880	100	135	190	190	230@830 100@880	120@880
Gain fL/fc	20,000-35,000	40,000-70,000	40,000-70,000	40,000-70,000	40,000-70,000	50,000-80,000	50,000-80,000
MTF@2.5lp/mm	83%	83%	90%	92%	92%	92%	92%
MTF@7.5lp/mm	58%	60%	70%	80%	80%	80%	80%
MTF@15lp/mm	28%	38%	45%	61%	61%	61%	61%
MTF@25lp/mm	8%	18%	20%	38%	38%	38%	38%
Halo	1.47mm	TBD	TBD	1.25	1.25	0.35 in, 0.90 out	0.7mm
Phosphor	P-20	P-20	P-20/P-43	P-43	P-43	P-43	P-43
Year	1982	1985	1990	1996	1999	2002	2006
Tubes supplied	MX-9916/UV MX-9644/UV MX-10130A/UV MX-10130B/UV MX-18281/PVS-7A MX-18282/PVS-7B	MX-9916/UV MX-10160/AVS-6 ID 54490-5002760 MX-10160 MX-10130B/UV MX-10130C/UV	MX-10160/AVS-6 ID 54490-5009100 MX-10160A/AVS6 MX-10160 MX-10160C/UV	MX-10160A/AVS-6 ID 80063-A3256389 MX-10130D/UV MX-11769/UV MX-10160A MX-11620/UV	MX-10160A/AVS-6 ID 80063-A3256389 MX-10160B/AVS-6 filmless and thinfilm MX-10130D/UV MX-11769/UV MX-11620/UV	MX-10160C /AVS-6 MX-11769/UV MX-10130D/UV MX-10160B/AVS-6 ID 80063-A3279453 (Liton Filmless) MX-11769/UV MX-11620/UV (ITT Thin Film)	MX-10160C /AVS-6 ID 80063-A3279602 MX-11769/UV MX-10130D/UV ENVG (Enhanced NVG) FGS (Fusion-Goggle System) W9124Q-05-D-0821 W9124Q-05-D-0823 N00164-07-R-85240 mx10160 N00164-09-R-JQ02 FGS
Contracts:	DAAB07-85-C-E032 DAAB07-85-C-E033	DAAB07-90-C-F102 DAAB07-90-C-F103 DAAB07-90-C-F101	DAAB07-93-C-K006 DAAB07-93-C-K005	DAAB07-96-C-J209 DAAB07-02-C-J008 N00019-98-C-0047	DAAB07-01-D-N413 DAAB07-01-D-N411 DAAB07-98-C-J419 DAAB07-98-C-J418	DAAB07-02-C-J010 DAAB07-02-C-J009	