Kollsman EFVS Facts

EVS-II

Feature	Specification	Product Rating	Why a Positive Business Case
Technology	InSb Detector	New since 2005	Sensitivity
Sensitivity [NETD]	< 5mK [milli Kelvin]	6 x more sensitive	Best in class
MTBF	> 5,000 hours	Only OEM w data	Reliability
FOV [field of view]	30H x 22.5V	Best for EFVS use	Sufficient FOV
Video outputs	RS-170 + DVI	Digital + Analogue	Cabin monitor
Resolution	320 x 240 pixel array	Best for performance	Optimum for EFVS
Environmental	-55C to +70C	Better high temp	Robust operations
Weight	19LBS + window	Comparable	Weight + balance
Size of camera	7W x 9L x 5H	Smallest	Installation ease

AT-HUD

Feature	Specification	Product Rating	Why a Positive Business Case
Technology	LCD 256 shades	Single LED	No heat/fan noise
Designed for EVS	Elbit EVS + HUD	Only single OEM	Minimize risk
FOV [field of view]	30H x 22.5V	Best for EFVS use	Sufficient FOV
MTBF	> 25,000 hours	Best in class	Reliability
Weight [all parts]	35 LBS	Least of all HUD's	Weight + balance
Pilot comfort	Headroom/heat/quiet	Best in class	Operational plus
Brightness	2,500 fl min at DEP	Right for operation	Sharp clear image
Combiner TX	> 75%	Right for operation	View thru HUD
CAT certified	CAT I only	CAT II / III not req'd	1000 RVR coming
Computer size	3 MCU [1/4 ATR]	Smallest	Designed for SVS
OHU size	5 H, 5 W, 12 L	Smallest/Lightest	Headroom
Power consumption	< 100 W	Best in class	Low power/no heat

EFVS

Feature	Specification	Who Benefits
Landing credit	100 FT DH +1/3 RVR	All Part 91/EASA/FedEx
Landing credit future	1000 FT RVR	All Ops/ EASA
Take-off credit	500 FT	FedEx + later other P 121
Take-off credit future	300 FT	Part 121 + 135
Surface Movement Guidance	Clear from gate	Part 121
Situational Awareness night	Clear view in most conditions	All
Situational Awareness day	Clear view in most conditions	All
Situational Awareness haze	Clear view in most conditions	Where smog is an issue