

PTEX™ TRUE VISION



Data Sheet 45X Red Tail Digital Spotting Scope

OPTICAL

FOCAL LENGTH	300MM f6.3*
MAGNIFICATION	45X PLUS DIGITAL ZOOM
FIELD OF VIEW	56 FT AT 1000 YARDS, (1.1 DEGREES)
FOCUS RANGE	3 FT TO INFINITY
RESOLUTION	5 ARC SECONDS

SENSOR

TYPE	COLOR CMOS
MAXIMUM PIXEL DENSITY	2592 X 1955 (5MP)
DYNAMIC RANGE	70.1db
SPECTRAL RANGE	380-650 nm
SIGNAL TO NOISE RATIO	38.1 db

PHYSICAL

MAX DIAMETER	2.55" (lens)
LENGTH	5.4"
MAX HEIGHT (MOUNT TO ANTENNA JACK)	3.23"
WEIGHT	19.2 OZ
MOUNT	1/4-20 THREAD



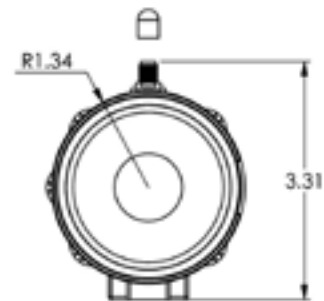
Tripod Optional

WIRELESS CHARACTERISTICS

DISPLAY OPTIONS (USER PROVIDED) RANGE (UNOBSTRUCTED) PROTOCOL	ANY DEVICE USING iOS OR ANDROID SYSTEM 150 FT MINIMUM 802.11 b/g/n
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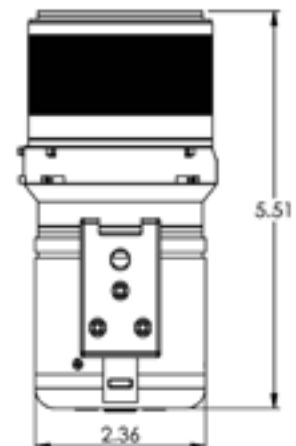
VIDEO PROCESSING

SCAN MODE	PROGRESSIVE
A/D CONVERTER	12-bit, 8-Bit R.G.B. to PC
FRAME RATE VS SELECTABLE RESOLUTIONS	5 fps @ 2592 X 1944 20 fps @ 1280 x 720 20 fps @ 1280 X 960 30 fps @ 1024 x 768 30 fps @ 800 x 600 30 fps @ 640 x 480
DIGITAL ZOOM	4 X MAX*



ELECTRICAL

VOLTAGE THROUGH USB	5.0 V
MAX CHARGING CURRENT	400 MA
WIFI MODE OPERATING CURRENT***	500 MA
USB MODE OPERATING CURRENT***	30 MA
OFF CURRENT***	5 MA
BATTERY	Rechargeable Lithium 1900mAh,
RUN TIME ON FULL CHARGE	3+ HOURS
CONNECTORS	1 MINI USB
CHARGING SOURCES	AC ADAPTER OR ANY USB SOURCE



ENVIRONMENTAL PARAMETERS (NON-CONDENSING)

OPERATING TEMPERATURES	-10 TO +50 C (14 TO 122 F)
HUMIDITY RANGE	5-95%

* EQUIVALENT TO 600MM IN A 35MM FILM FORMAT
 **LESS ZOOM IS AVAILABLE AT LOWER SELECTED RESOLUTIONS
 ***WHEN FULLY CHARGED.
 ADD CHARGING CURRENT WHEN NOT FULLY CHARGED