



STAR & NIGHT PHOTOGRAPHY GUIDE



DIGITAL SLR

Full-frame, APS-C,
Micro 4/3 camera



WIDE ANGLE LENS

24mm or wider
Fast aperture f/2.8



TRIPOD

Stable with
attached ballhead

CAMERA SETTINGS

- » shoot **RAW**
- » use **LIVE** view
- » turn off **IS/VR**
- » noise reduction **OFF**
- » **HISTOGRAM ON** to check exposure
- » **WHITE BALANCE** 3700K-4200K
- » All manual mode

PIN POINT STARS

- » **ISO** 3200-6400
- » **APERTURE** smallest (f/2.8)
- » **SHUTTER SPEED** rule of 500

STAR TRAILS

- » **ISO** 400-800
- » **APERTURE** (f/5.6-f/8.0)
- » **SHUTTER** 3-5 minutes
- » f2 / 2.8 / 4 / 5.6 / 8 / 11 / 16 / 22

SHUTTER: RULE OF 500

500/lens focal length =
longest shutter speed for pin point stars

FULL FRAME

500/24mm
= 21 seconds

CROP SENSOR

500/(24mm x 1.5)
= 14 seconds

Canon x 1.6 Nikon x 1.5

FINDING FOCUS

METHOD 1: Infinity focus

METHOD 2: Live View

SOFTWARE

- » PhotoPills
- » StarStax MAC/PC
- » Starry Landscape Stacker MAC
- » LR timelapse MAC & PC

