

ELCOVISION 10 – Metric Cameras for Photogrammetry

PMS AG offers you the right metric camera for almost all applications.

For high-precision measurements generally high-quality digital SLR cameras like Nikon D800, or Nikon D810 are used. For slightly lower demands on the measurement accuracy one can also use semi-professional cameras such as Nikon D7000, Nikon D8000. The use of low quality cameras is also possible the only drawback is that the measurement accuracy is not at the same level as with high quality digital SLR.



Nikon D800 / D800E	
Camera Type	Digital SLR
Sensor Type	Full Format: 36 * 24mm
Pixel Size	4,87 μ m
Resolution	36 Megapixel
Crop factor	None
Accessories	Storage: 32GB Flash Batteries, Charger.

Recommended lenses for the Nikon D800 / D800E

Sigma 12-24mm F4.5-5.6 EX DG Aspherical HSM

Universal lens for all applications
Calibrated at 12mm and 24mm.

Sigma 20 mm F1.8 EX DG Aspherical RF

Very fast lens, universal applicability
Calibrated at 20mm.



Nikon D810	
Camera Type	Digital SLR
Sensor Type	Full Format: 36 * 24mm
Pixel Size	4,87 μ m
Resolution	36 Megapixel
Crop factor	None
Accessories	Storage: 32GB Flash Batteries, Charger.

Recommended lenses for the Nikon D810

Sigma 12-24mm F4.5-5.6 EX DG Aspherical HSM

Universal lens for all applications
Calibrated at 12mm and 24mm.

Sigma 20 mm F1.8 EX DG Aspherical RF

Very fast lens, universal applicability
Calibrated at 20mm.