

National Aeronautics and Space Administration

LYNDON B. JOHNSON SPACE CENTER
WHITE SANDS TEST FACILITY

PHOTOGRAPHIC AND VIDEO OPERATIONS

SUMMARY

The White Sands Test Facility (WSTF) maintains a full-service facility for still, motion picture, and video instrumentation. Services are available in laboratory and field environments, including hazardous areas requiring personal protective equipment.

EQUIPMENT

- Still photography cameras with a wide variety of lens options
- High-speed digital video cameras
- Standard, digital, and rapid-shutter video systems
- Nonvisible spectrum cameras and filters
- Laboratory support equipment including digital processing/printing systems, video editing systems, video teleconferencing, and motion picture transfer

CAPABILITIES

- Digital still-photography imaging and printing in black and white and color
- 35-mm ultra high-speed infrared shadowgraph photography to 2 million fps
- Standard, S-VHS, and digital real-time video
- High-speed video from 60 to 120,000 fps
- Rapid-shutter video imaging to 100 μ s/frame
- Infrared video from -20 to 950 °C
- Ultraviolet/Infrared photography from 280 to 910 nm
- Borescope imaging
- CCTV system design
- Remote pan, tilt, and zoom operation of video systems
- Remote operation of still photo and digital video systems via hard line, RF, break beam, and acoustic triggering
- Rotary wing aerial photography
- Macro photography to 35x magnification
- Digital image generation and processing
- Wide format computer printing up to 24 by 90 in.
- Video teleconferencing via NASA Integrated Services Network (NISN) Video Teleconferencing (ViTS)

CONTACT

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