

Portable Sprite Observation System based on IP-Camera

Leonid V. Sorokin¹

¹ Peoples' Friendship University of Russia, Russia

The mobile Sprite observation system is based on the IP-camera VNC748 E2 (Sony ICX-429ALL). The main purpose of making this system is the mobile decision for field observation. The IP-camera VNC748 E2 have the LAN 100 Base-T interface and it is possible to connect up to four cameras to one Notebook computer using the 1GB Router. In the current configuration the two cameras are in use simultaneously. The GPS Timing system is based on Trimble Resolution T Receiver or GlobalSat ET-322 (SiRF Star III) and synchronies the Notebook computer clock with accuracy of 12,5 msec. The software provides access to all camera settings and video capture parameters. This mobile Sprite observation system can be used for registration of TLE events in the field, at the open air, during the expedition or in the conditions of the strict weight limitation.