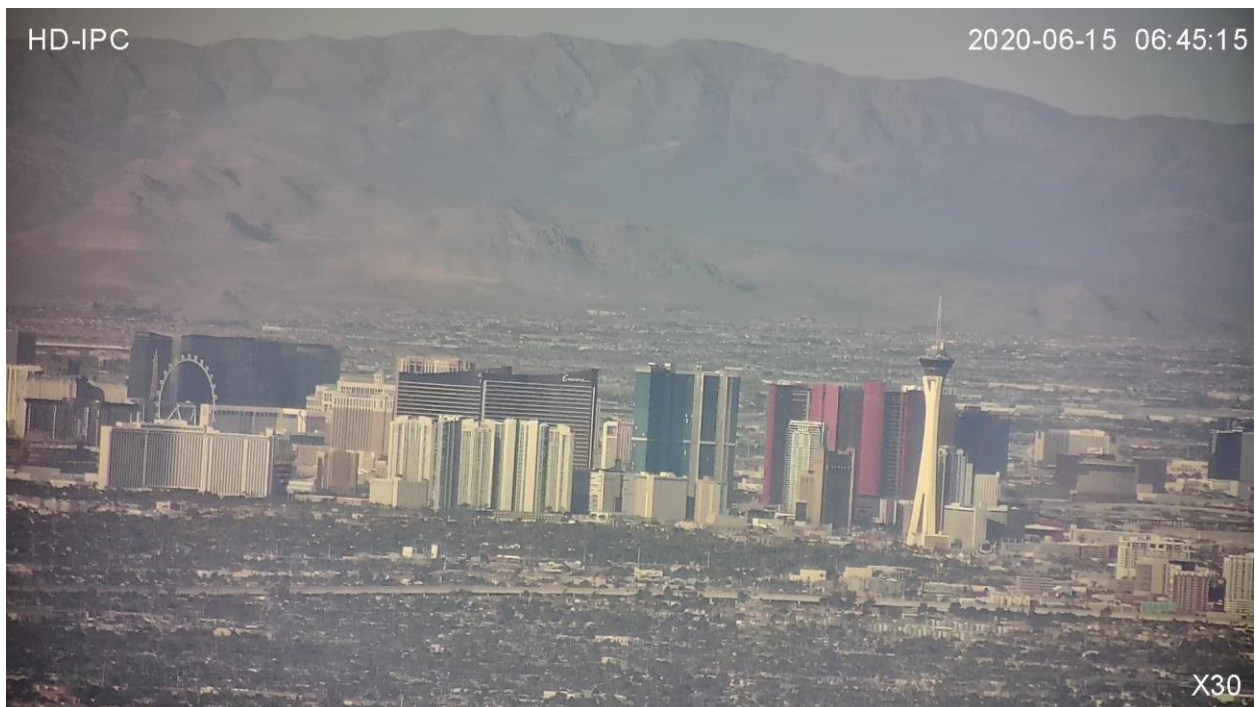




Las Vegas Valley from the Apex PTZ camera at 1X magnification as indicated in the lower right of the photo.



Las Vegas Valley from the Apex PTZ camera at 30X magnification.



A view of Mount Charleston and smoke from a recent wildfire taken by the Apex Peak PTZ camera.



A view to the northeast from the front porch of the Apex Peak radio shack at sunrise.

## **NEW LVMESH CAMERAS FOR APEX PEAK**

On a recent trip up to Apex Peak, George Turner-KI7BJV, Dennis Simon-KB7UTV and Tom Davis-KB7HTA, installed a new pan tilt zoom (PTZ) camera and relocated another stationary camera provided by Richard-KO0000. In addition to the camera work, the Nellis Club 2 m repeater was exchanged and its cavity filter was brought down for maintenance/tuning with hope it will be back in service soon.

The PTZ camera used for this installation was model number INS-HD54F-2.0MP-30X and purchased new on Ebay. To see the full camera specifications visit: [www.ebay.com](http://www.ebay.com). The camera was installed on the antenna tower leg northeast of the shack at about 8 feet above the Beacon Hill mesh node. The PTZ camera installation went smoothly, until it came time for testing. The PTZ camera did not seem to be receiving an IP address from the expected mesh node and we were not able to connect. After much head scratching, Richard, KO0000, saved the day by discovering the PTZ camera was receiving an IP address from the Las Vegas Valley 5 GHz sector mesh node, which was totally unexpected and not really understood. Camera testing then continued by Richard back in North Las Vegas with several images and videos being captured. The camera commands a 360° view, however the antenna tower legs are partially blocking from the southeast to the east. The photos at the right show a view of the Las Vegas Valley at 1X and 30X. The last PTZ camera photo is of smoke at sunset from the recent Mount Charleston wildfire.

A stationary camera (1289 x 720 pixel), which we affectionately call the “Porch Cam” provides a ground level view to the northeast from the radio shack’s porch, photo at the right.

The cameras provide images 24/7 over the LVMesh Network. The PTZ camera requires an ID (guest) and password (password!), however the stationary camera does not. The "guest" login for the PTZ camera allows you to zoom in and out, but currently does not allow for pan or tilt actions. Next time you are on the LVMesh Network give them a try! The camera links and login information are on the "mesh status" page.