



NEWS 32 PREMIUM HARDDOT CAMERA FILM

Product Application

#1 Network News 32 is a 4th generation HardDot camera film. News 32 consistently produces sharp edged linework and halftones of the highest quality.

Safelight

As an orthochromatic film, News 32 is processed under standard Series 1A red safelight, or red filter sleeves with florescent tubes.

Suggested Exposure (Linework at Same Size)

Quartz Camera Lamps	F-22	15-20 Seconds
Pulsed Xenon Camera Lamps	F-32	10-15 Seconds

On a 12 step camera grey scale, expose News 32 to a Solid step 4. Proper contrast of News 32 is indicated with a light grey in step 5. Main exposure for halftones, is approximately 3 times the established linework exposure.

A normal flash test will determine correct exposure for shadow areas of halftones.

Machine Processing

Deep Tank (Over 7 gal.)

Time	35-60 Seconds
Temp	80-90°F (26-32°C)

Shallow Tank (7 or less gal.)

Time	35-40 Seconds
Temp	95-100°F (35-38°C)

Developer*:

#1 Network HardDot Developer
Mixed 1 part with 2 parts water

Temperature: 95°F / 35°C

Development Time: 30 Seconds

Replenishment Rates

Developer: 45ml per square foot (1.53 oz.)
Fixer: 35ml per square foot (1.2 oz.)
#1 Network Universal Fixer Concentrate,
3100 Fixer recommended with hardener.

Tray Processing

News 32 may be tray processed at 1:1 dilution.

IMPORTANT: HardDot films must be processed in a recommended "HD" developer diluted 1-part concentrate to 2-parts water. It is also important to replenish at the recommended rates. Additional "anti-oxidation" replenishment may be required. Total replenishment should equal **at least** 1/2 of the volume in the processor tank per week in "low load" situations.

Departure from these instructions may result in "pepper" or thin "pressure lines". Both artifacts are caused by a chemical imbalance. If pepper is encountered, you must dump the developer and increase replenishment.

Note:

When you install new films or processor chemicals, it is a good ideal to run a few "**Dr. Clean**" cleaner sheets.

"**Dr. Clean**" cleaner sheets will virtually eliminate any potential for pinholes and ensure that every #1 Network film will look it's very best!

*For optimum results, process in 4th generation chemistry diluted with 2 parts water.

#1 Network 2100 HD* Developer
#1 Network Rapid HD* Developer
Kodak RA 2000
Fuji Forte HQ

*HD refers to HardDot when mixed 1:2.

These developers are also rapid access developer, when mixed 1:3 or 1:4.