

~~TOP SECRET~~HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM~~IS~~ NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

30 JUL 1968

MEMORANDUM FOR DIRECTOR, NPIC
DIRECTOR, DIA (SAO)

SUBJECT: Announcement of KH-9 System

The KH-9 camera system is being developed by the NRO as a successor to the KH-4 search system. The system configuration will be as follows:

Panoramic Camera Characteristics

Purpose	Intelligence search
Number of cameras	Two
Focal length	60 inches
Aperture	f/3
Format	6 x 126 inches
Film width	6.6 inches
Film length/camera	104,000 feet
Cross track swath angle	120° maximum; adjustable in 30° steps
Center of scan	Adjustable in 15° steps
Stereo angle	20°
Frame to frame overlap	3%

Frame Camera Characteristics

Purpose	Mapping
Focal length	12 inches
Aperture	f/6

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM~~TOP SECRET~~EXCLUDED FROM AUTOMATIC REGRADING
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ONLYFrame Camera Characteristics (Cont'd)

Format	9.2 x 18.2 inches
Film width	9 $\frac{1}{2}$ inches
Forward overlap	70%
Cross track swath angle	42°

Stellar Camera Characteristics

Purpose	Attitude determination
Number of cameras	Two - mounted approximately 45° from vehicle centerline and 10° above horizontal
Focal length	10 inches
Format	57 x 90mm

This system is not presently scheduled to be launched for another two years. Therefore, you are requested to disseminate this information on a strict need-to-know basis, as determined by your office. All other information on this system will remain within the operational security system.



RUSSELL A. BERG
Brigadier General, USAF
Director
NRO Staff

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