

T.4 Image Format Protocol Software

T.4 is that portion of the ITU-T Group 3 facsimile standard which specifies how image data is to be formatted and encoding/decoding performed for facsimile transmission and reception of black and white as well as color documents. It thus controls the description of the image and provides interfaces for printing and scanning routines. This includes sizing, resolution, and compression-decompression procedures for images.

Floreat's T.4 contains the MH (Modified Huffman) run-length coding-decoding schemes. Additionally, Floreat's T.4 standard implements Progressive bi-level image compression and has options for transmission of color or gray-scale with Continuous-tone color and Gray-scale modes.

Floreat's fax modem protocols are modular, re-locatable and re-entrant to support multi-channel capability. This protocol software can operate within a multi-tasking environment or as a single task and it is supported on various DSPs and processors as well as offered in fixed and floating point C.

Floreat's Fax Modem protocols can be integrated with Floreat's other data modem, telephony, speech compression, VoIP, FoIP, imaging and video software for various applications.

Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
 - NEC
 - STM
 - Zilog

- ▶ For further information on the standard, please click [ITU Standards](#).
- ▶ For our brief profile, please click [Company Profile](#).
- ▶ For further inquiry, please send us an [Inquiry Form](#) or send an email to info@floreatinc.com.