

Applied SDI and MPEG Fundamentals

Aims

This course is intended to provide a solid introduction to the technologies and principles underlying today's digital broadcast systems. It is designed to be easily assessable to engineers at all levels but would be particularly useful for senior engineers involved in the planning and implementation of new digital systems.

Topics Covered

This course starts with a refresher on the fundamentals of TV systems, scanning systems, colour representation, and digitisation. Later more detailed topics are introduced such as, the serial digital interface, digital audio, SDI measurement and embedded audio issues. The second half deals with the fundamentals of video compression schemes and their practical applications. Finally these concepts are applied in a detailed description of MPEG 2 compression.

Results

At the end of the course attendees should feel comfortable with all types of digital systems and have a good grounding in digital techniques enabling them to further develop and apply their knowledge to such topics as MPEG transport streams and digital transmission technologies.

Duration

This is a two day course involving traditional lecture style, interactive sessions, exercises and demonstrations where practical

Location and timing

The course can be conducted on site at your premises at a time to suit you.

Course fees

For courses conducted in Hong Kong the fees are HK\$6,500 per head for a minimum of 4 students. For other locations please contact training@detalsolutions.com

Course Outline

For further details please contact

training@detalsolutions.com