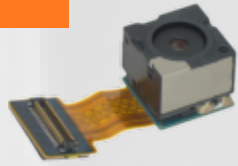


# Sony Ericsson Cyber-shot S006 Camera Module

## Sony 16Mpixel 1.12µm BSI CIS

Reverse Costing Analysis



### Physical Analysis of the Camera and the CMOS Image Sensor

#### Step by Step Reconstruction of the Process Flow

#### Cost of Manufacturing and Estimation of Selling Price

System Plus Consulting is proud to publish the reverse costing report of the Sony Ericsson Cybershot S006 Camera Module.

The Sony camera module of the S006 integrates a 16Mpixel CMOS Image Sensor (CIS) ref. IMX081PQ from Sony. The CIS die with 1.12µm unit pixels is manufactured using a CMOS 90nm process.

The CIS uses a Backside Illumination (BSI) architecture.

The module integrates a piezoelectric auto-focus.

This report provides complete teardown of the camera module with:

- Detailed photos
- Material analysis
- Schematic assembly description
- Manufacturing Process Flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation



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