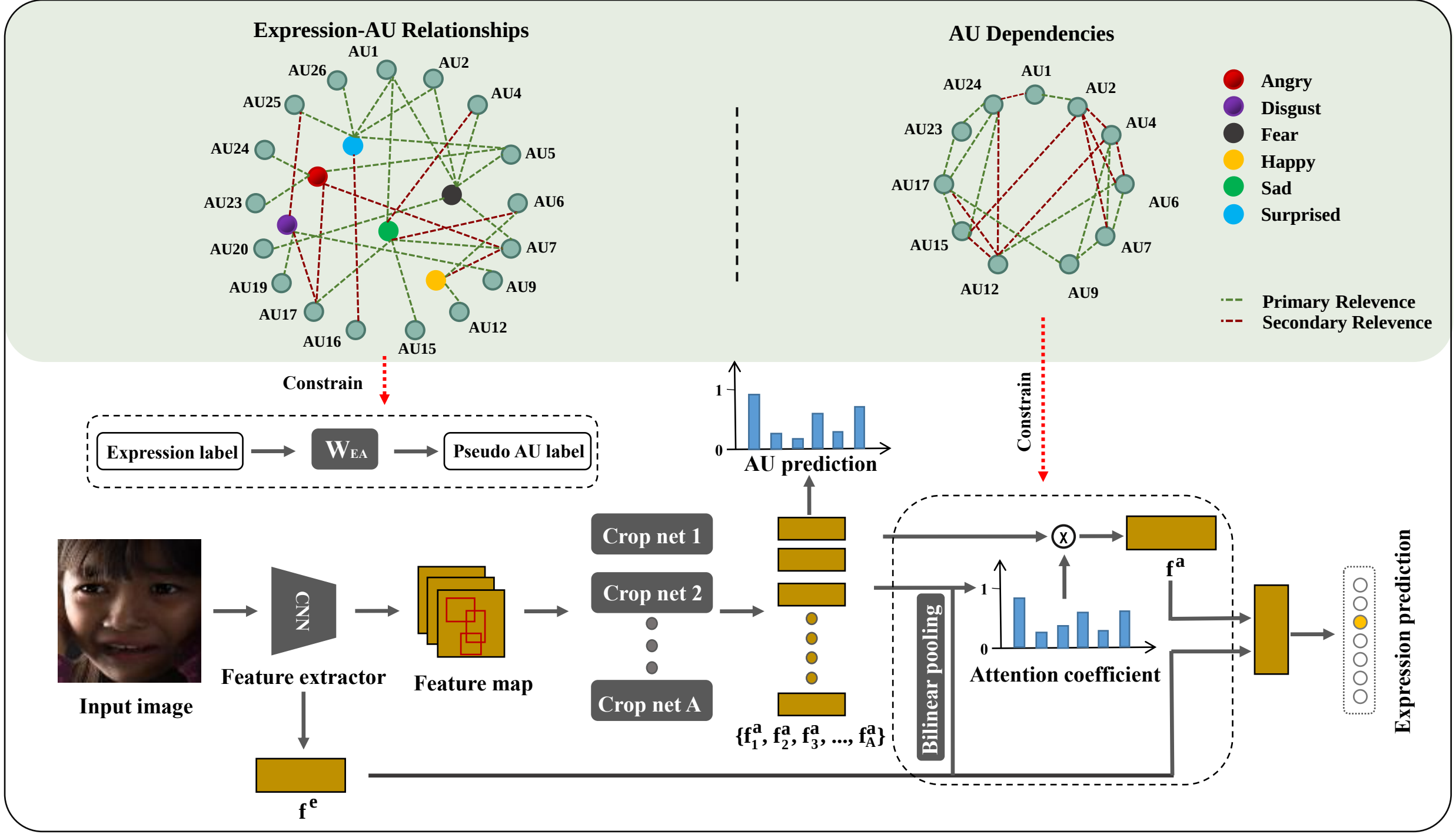
Expression-AU Relationships
AU1
AU2
AU4
AU5
AU6
AU7
AU9
AU12
AU15
AU16
AU17
AU19
AU20
AU23
AU24
AU25
AU26
AU Dependencies
AU1
AU2
AU4
AU6
AU7
AU9
AU12
AU15
AU17
AU23
AU24
Angry
Disgust
Fear
Happy
Sad
Surprised
Primary Relevence
Secondary Relevence
Constrain
Expression label
W_{EA}
Pseudo AU label
Constrain
AU prediction
Input image
CNN
Feature extractor
Feature map
Crop net 1
Crop net 2
Crop net A
$\{f_1^a, f_2^a, f_3^a, ..., f_A^a\}$
Bilinear pooling
Attention coefficient
f^a
f^e
Expression prediction